

◆ 1896 ◆

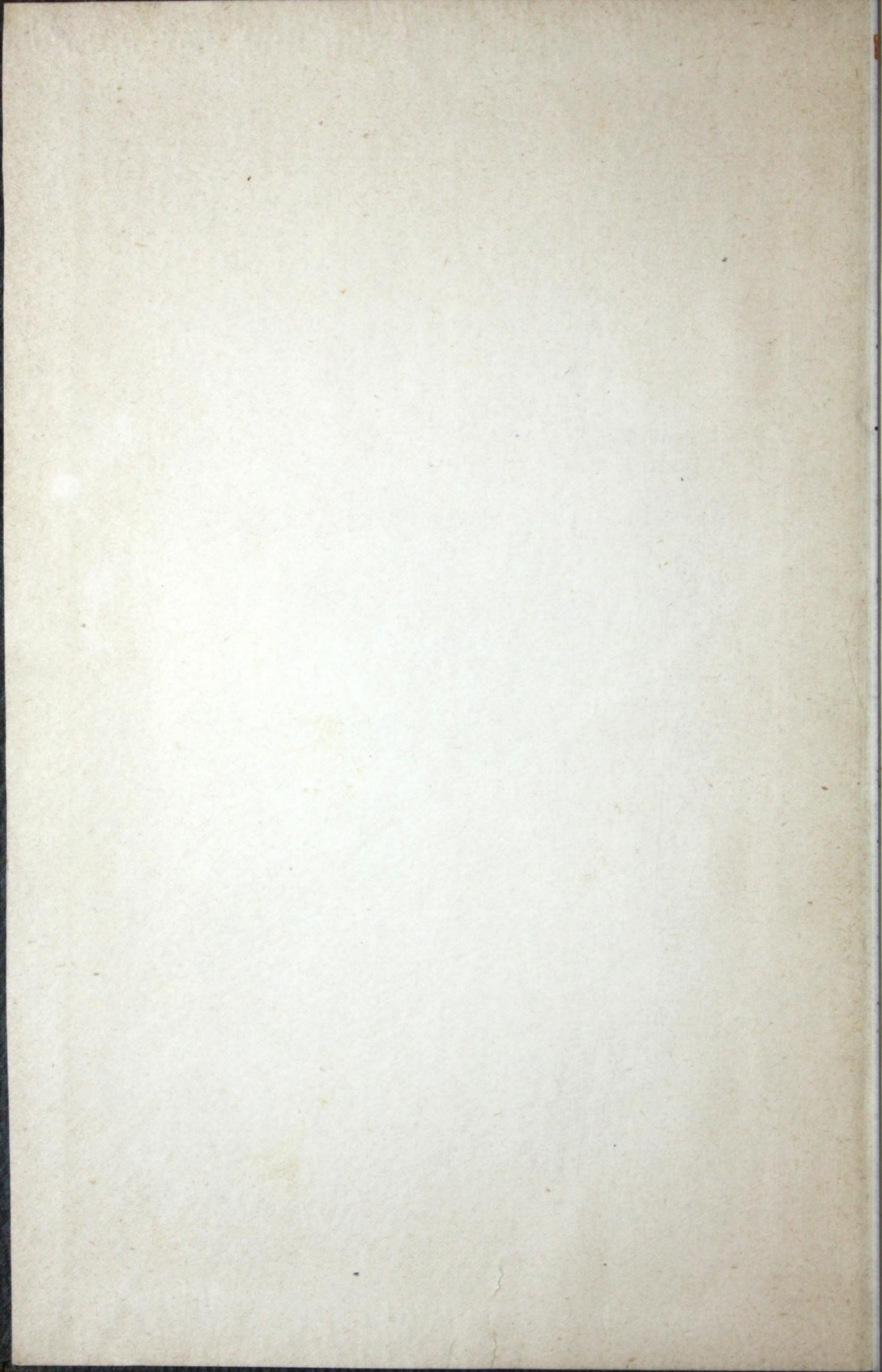
ILLUSTRATED CATALOGUE

AND PRICE LIST.

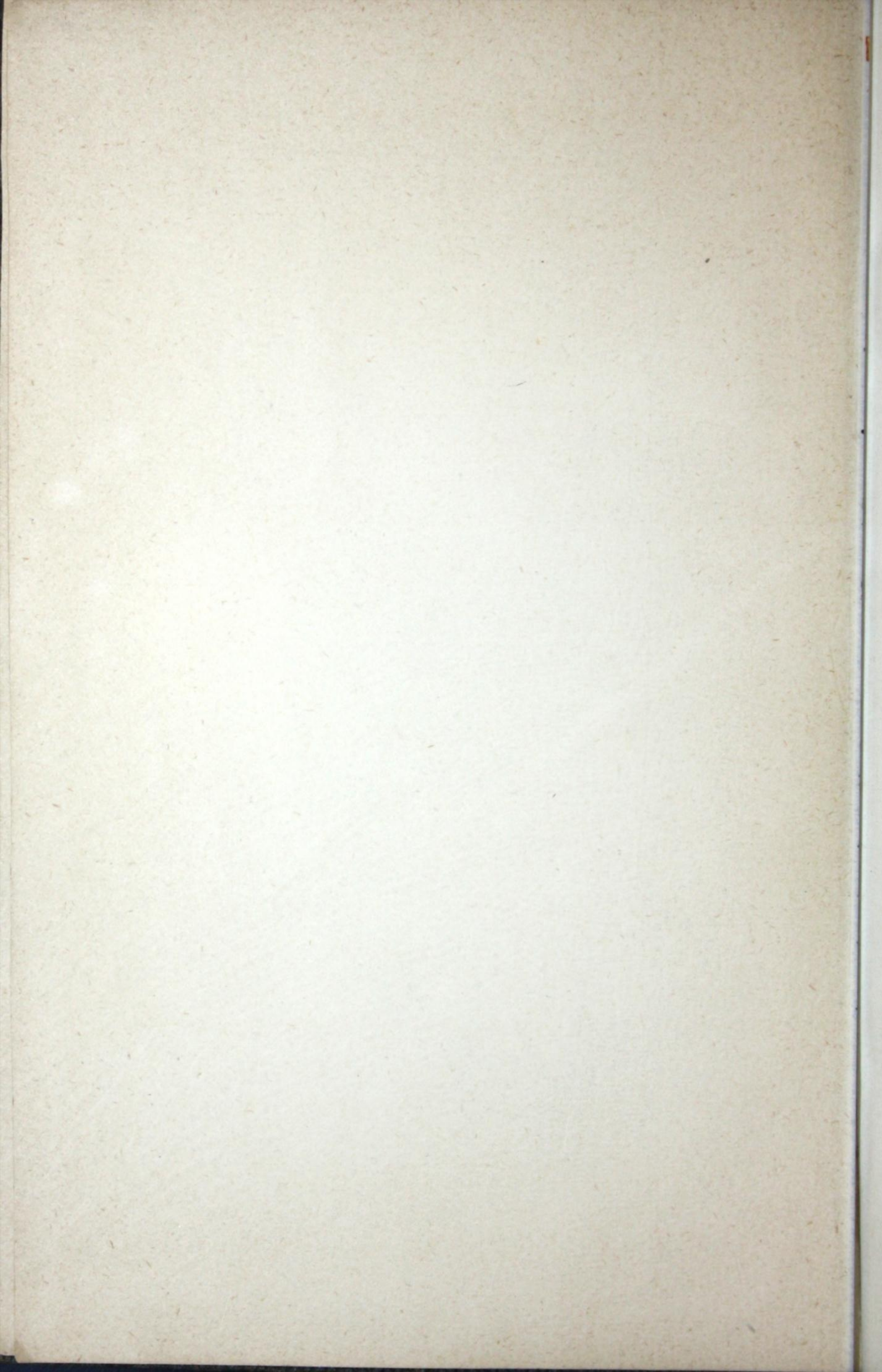
JACOB JAMER,

No. 84 JOHN STREET,

NEW YORK.



45
5



JACOB JAMER,

Manufacturer and Dealer in

WROUGHT & CAST IRON PIPE.

Brass and Iron Fittings, Valves, Cocks, Etc.,
for Steam, Water, Gas and Oil.

STEAM, GAS FITTERS' & PLUMBERS'
MATERIALS OF ALL KINDS.

RAILWAY, ENGINEERS', MACHINISTS', REFINERY, BREWERY AND MILL
SUPPLIES OF EVERY DESCRIPTION.

Tools for Steam and Gas Fitters, Plumbers, Engineers, Machinists,
Boiler Makers and Blacksmiths.

84 JOHN STREET, . . . NEW YORK.

CIRCULAR.

I take pleasure in presenting to my friends, the trade, and consumers generally, this Catalogue of Goods manufactured and sold by me.

In its compilation and arrangement I have sought to introduce such articles only as are calculated to meet the requirements of my trade, and have endeavored to make it as complete and accurate in detail as possible. For the guidance and convenience of my customers in ordering, I have illustrated the work to some extent.

The PRICES have been adjusted with great care. DISCOUNTS will be as great as the cost of goods warrants.

Goods and specialties of other manufacturers are at their prices. Articles, the prices of which are not stated, are in most instances special, and will be furnished at market rates.

The low prices of my goods, together with their quality, which I propose maintaining at the HIGHEST STANDARD, will, I trust, merit me a liberal share of patronage in the future as in the past.

All orders, with which I may be favored, will receive prompt and careful attention.

Respectfully,

JACOB JAMER.

TO SUPERSEDE ALL PREVIOUS LISTS.

Cypher for Convenience when Ordering Pipe by Wire.

NUMBER OF FEET.		SIZE.	BLACK.	SIZE.	GALVANIZED.
100	Asia,	$\frac{1}{8}$	Alleghany,	$\frac{1}{4}$	Amazon,
200	Belgium,	$\frac{1}{4}$	Baltimore,	$\frac{3}{8}$	Bay,
300	Chili,	$\frac{3}{8}$	Camden,	$\frac{1}{2}$	Colorado,
400	Denmark,	$\frac{1}{2}$	Detroit,	$\frac{3}{4}$	Danube,
500	Egypt,	$\frac{3}{4}$	Erie,	1	Elbe,
600	France,	1	Fairmount,	$1\frac{1}{4}$	Fürth,
700	Germany,	$1\frac{1}{4}$	Galena,	$1\frac{1}{2}$	Ganges,
800	Holland,	$1\frac{1}{2}$	Harrisburgh,	2	Hudson,
900	Ireland,	2	Ithaca,	$2\frac{1}{2}$	Indus,
1,000	Japan,	$2\frac{1}{2}$	Jamestown,	3	Juniata,
2,000	Kentucky,	3	Kensington,	$3\frac{1}{2}$	Kanawha,
3,000	Liberia,	$3\frac{1}{2}$	Lancaster,	4	Lake,
4,000	Maine,	4	Macon,	$4\frac{1}{2}$	Miami,
5,000	Nevada,	$4\frac{1}{2}$	Quincey,	5	Nile,
6,000	Ohio,	5	Newark,	6	Osage.
7,000	Peru,	6	Oneida,		
8,000	Russia,	7	Paris,		
9,000	Spain,	8	Reading,		
10,000	Texas,				

In ordering goods, reference may be made to any illustrated Catalogue, stating name of publisher.

Goods for shipment will be packed carefully, Packages and Cartage charged at cost.

Not responsible for goods lost or damaged "en transit."

All orders will receive prompt and careful attention.

All claims for errors should be made within ten days from date of invoice.

WROUGHT IRON PIPE AND BOILER TUBES.

WROUGHT IRON PIPE.—Plain.

In. diam.....	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6	7	8	9	10	11	12	13	14	15
Per foot.....	3 1/4	3 1/4	3 3/4	4 3/4	6	8	11	21	26	42	55	67	88	1 00	1 20	1 50	2 00	2 75	3 70	4 75	5 75	6 50	7 75	9 00	10 00
W. per foot.....	.24	.42	.56	.85	1 13	1 67	2 25	2 69	3 66	5 77	7 55	9 65	10 73	12 50	14 56	18 76	21 00	28 00	33 70	40 00	40 00	49 00	54 00	58 00	62 00

WROUGHT IRON PIPE.—Galvanized or Enameled.

Internal diameter.....	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6 in.
Price per foot.....	5 1/2	6	7	10 1/2	4	24	30	47	62	83	1 00	1 25	1 50	2 00

EXTRA STRONG AND DOUBLE EXTRA STRONG WROUGHT IRON PIPE.

Size.....	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6
Price per ft. EX. STRONG	6 1/2	6 1/2	7 1/2	9 1/2	12	16	22	42	52	84	1 10	1 34	1 66	2 00	2 40	3 00
Pr. per ft., D'ble EX. St.	.....	.....	.....	19	24	32	44	84	1 04	1 68	2 20	2 68	3 32	4 00	4 80	6 00

LAP-WELDED BOILER TUBES.

Not over 18 feet long, and extra price for longer lengths.

External Diameter.....	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/2	5	6	7	8	9	10	11	12
Price per foot.....	23	23	23	22	22	25	28	31	34	38	43	45	52	60	72	1 00	1 45	1 85	2 25	2 75	3 25	3 55
Weight, per foot, lbs..	3/4	1	1 1/4	1 1/2	2	2 1-10	2 3/4	3	3 1/8	4	4 1/8	4 5/8	5 1/2	6	7 1/4	9 1/8	12 1/2	15	16 3/4	21	25	28 1/2

LIGHT ARTESIAN, SALT AND OIL WELL CASING.

Fitted with Screw and Socket or Inserted Joint.

External Diameter.....	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5	5 1/4	5 1/2	6	6 3/8	7	8	8 3/8	9	10
Price per foot.....	25	28	31	34	38	43	45	52	56	60	66	72	79	86	1 00	1 30	1 45	1 85	2 10	2 25	2 75
Weight, per foot, lbs....	2 23	2 75	3 00	3 33	3 95	4 27	4 60	5 33	5 50	6 00	6 50	7 25	7 66	8 08	9 35	10 06	12 45	15 10	16 15	17 25	19 00

HYDRAULIC TUBING,—any diameter, thickness and length, furnished, price per lb.....

WROUGHT IRON PIPE,—1/8th to 15 inches in diameter, cut to drawings and specifications.

HEAVY CAST IRON PIPE,—flanged or socket, furnished at lowest market rates ; special prices upon application.

DRIVE PIPE,—for Artesian Wells, in any lengths, with Patent Couplings.

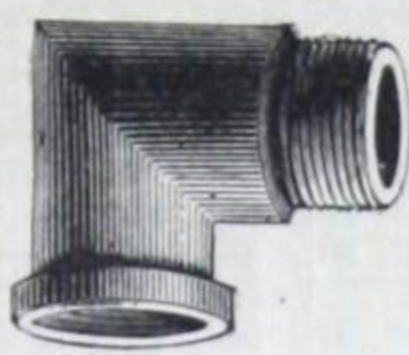
FITTINGS.



Plain.



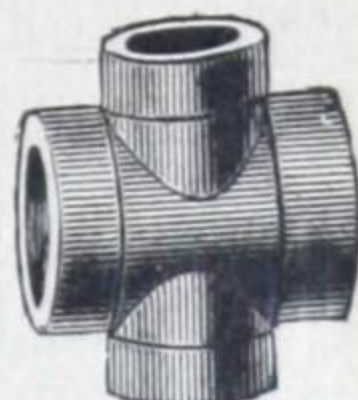
45 degree.



Street.

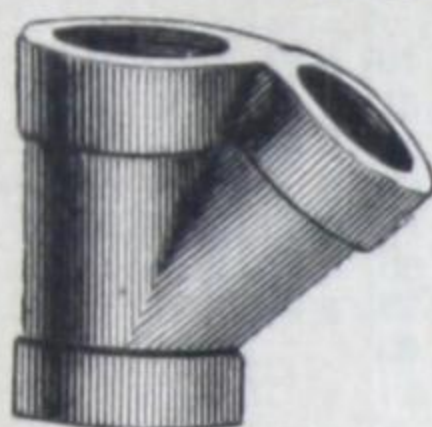


TEE.

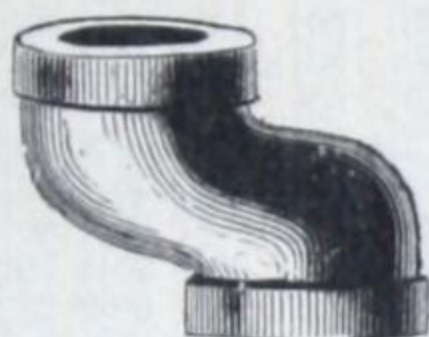


CROSS.

ELBOWS.



Y-BRANCH.



OFFSETT.



Close.



Open.

RETURN BENDS.



PLUG.



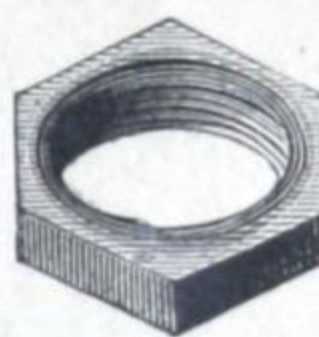
CAP.



Plain.



Reducing. Right & Left.
COUPLINGS.



LOCKNUT.



BUSHING.

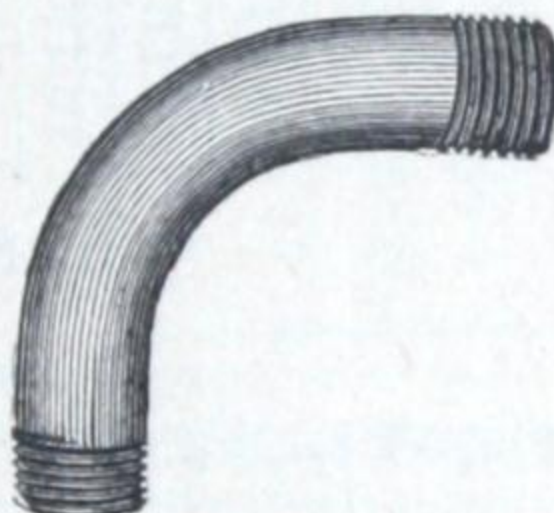


Shoulder.

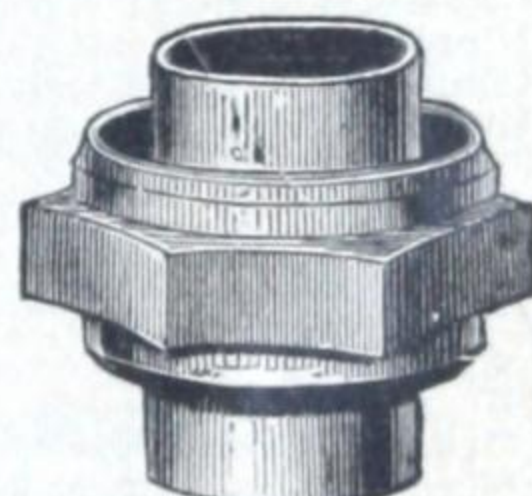


Close.

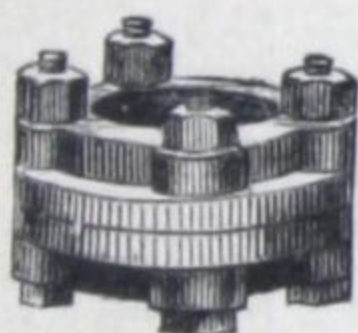
NIPPLES.



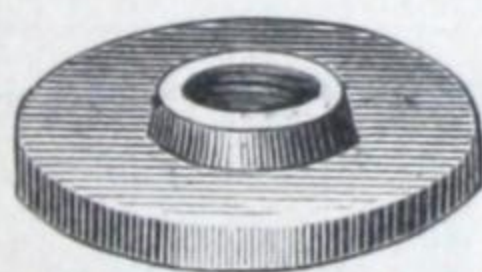
W I BEND.



UNION.



FLANGE UNION.



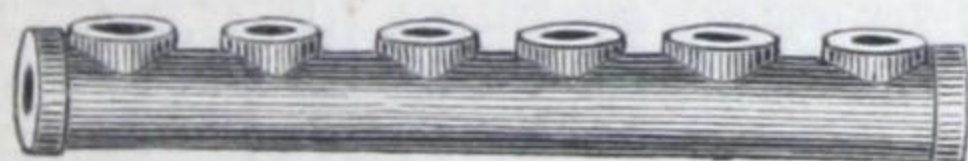
Flat.



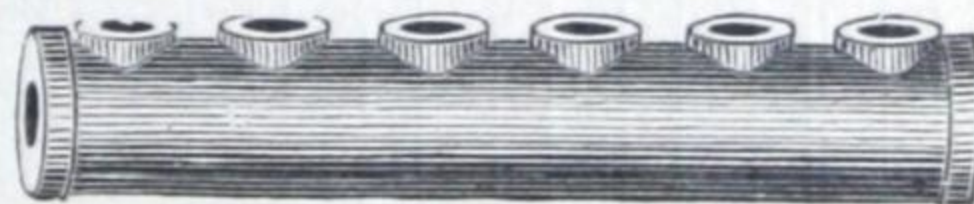
Curved.
FLANGES.



Floor.



Small Run.



Large Run.

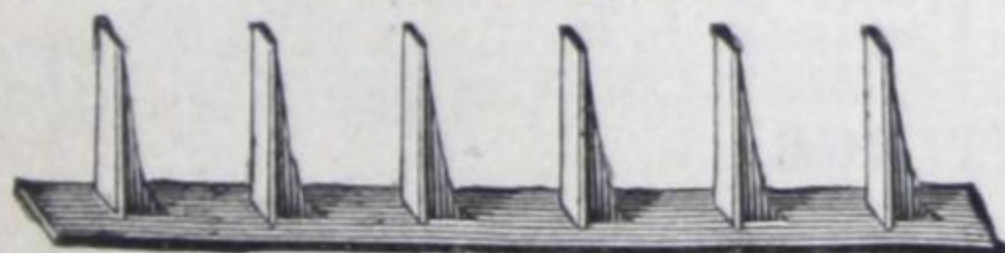
BRANCH TEES.



HOOK PLATE.



RING PLATE.



EXPANSION PLATE.



HOOK.



STRAP.



COIL STAND.

IRON FITTINGS.

Size.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	6	7	8	9	10 in.
Elbows.....	04	05	06	09	13	20	25	40	75	1 10	1 35	1 80	2 50	2 85	3 90	7 00	10 00	14 50	20 00
" reducing.....	05	06	07	11	16	23	29	46	85	1 25	1 50	2 10	3 00	3 25	4 50	8 00	11 50	15 00	23 00
45 deg. Elbows.....	..	10	10	15	20	26	35	50	1 30	1 60	1 90	2 50	3 50	4 50	5 50	9 00	12 00	15 50	25 00
Tees.....	06	07	09	13	20	30	38	60	1 10	1 50	2 00	2 50	3 50	4 00	5 50	10 00	15 00	20 00	26 00
" reducing.....	07	08	11	15	23	35	44	70	1 25	1 75	2 30	2 90	4 00	4 60	6 35	11 50	17 00	22 00	30 00
Crosses.....	08	10	12	18	28	40	50	80	1 50	2 20	2 70	3 50	5 00	5 70	7 80	14 00	20 00	28 00	40 00
" reducing.....	10	12	14	21	32	46	58	92	1 70	2 50	3 00	4 00	6 00	6 60	9 00	16 00	23 00	30 00	46 00
Y Branches.....	..	..	25	30	40	60	90	1 25	2 25	3 25	4 50	6 00	..	9 00	12 00	17 00	25 00	..	..
Return Bends, close.....	..	..	10	15	22	34	45	75	1 50	2 25	..	..	..	..	..	..	..	..	..
" open.....	..	..	15	20	30	48	68	1 15	1 75	2 75	..	..	..	..	..	..	..	..	..
Plugs.....	03	03	04	05	06	10	18	20	35	50	75	85	1 35	1 75	2 40	3 75	5 59	6 50	7 50
Caps.....	03	03	06	08	11	15	22	30	50	80	1 10	1 30	1 60	2 00	2 35	4 00	4 35	5 75	7 25
Couplings.....	05	06	07	10	13	17	21	28	40	60	80	1 00	1 50	1 65	2 40	3 25	4 25	5 25	7 50
" reduced & R. & L.....	03	04	06	10	15	21	28	50	75	1 20	1 50	2 00	2 75	3 00	4 00	8 00	10 00	12 00	15 00
Locknuts.....	03	03	04	05	06	08	11	25	40	50	70	95	1 25	1 35	1 90	2 50	3 50	4 00	4 50
Bushings.....	05	05	06	07	09	13	17	27	42	60	80	1 00	1 50	1 85	2 50	3 75	5 50	6 50	7 50
Nipples.....	05	06	07	09	10	14	17	25	56	75	1 00	1 25	1 75	2 00	2 75	4 00	5 75	6 50	8 50
" close, long.....	10	10	12	15	18	24	30	40	1 00	1 25	1 35	1 60	2 25	2 60	3 60	..	..	..	..
" R. & L.....	12	12	15	18	21	28	35	45	1 25	1 50	..	..	..	..	..	..	..	..	..
Unions.....	15	18	20	28	34	46	60	80	1 50	2 10	3 00	4 00	..	..	..	..	..	..	..
Flange Unions.....	..	..	60	65	70	85	1 15	1 50	1 75	2 25	2 75	3 15	4 50	5 00	6 50	8 00	10 00	12 00	15 00

$\frac{3}{4}$ in. Fittings, same price as $\frac{1}{4}$ in. R. and L. Fittings, 25 per cent. advance.

Our Fittings are all of Heavy Patterns with Tapering Threads.

GALVANIZED IRON FITTINGS.

Size.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6	7	8 in.
Elbows.....	06	09	12	18	30	45	55	1 05	1 60	2 35	3 10	4 10	7 00	11 00	15 00	20 00
Tees.....	08	13	17	25	40	60	85	1 20	2 25	2 85	3 80	5 25	8 00	12 50	17 00	24 00
Crosses.....	15	18	23	35	55	80	1 00	1 60	3 00	4 25	5 50	7 00	10 50	16 60	23 00	25 00
Nipples.....	09	09	10	12	15	19	26	35	70	80	1 10	1 50	2 50	3 70	..	..
Couplings.....	08	08	10	13	18	25	32	40	55	80	1 05	1 40	2 25	3 25	..	..
Unions.....	20	24	27	37	50	70	90	1 20	2 25	2 90	4 50	5 60	..	..	..	..

FLANGES.

Size of Pipe.	Diam. of Flanges in Inches.																			
	8	8 $\frac{1}{2}$	9	9 $\frac{1}{2}$	10	10 $\frac{1}{2}$	11	11 $\frac{1}{2}$	12	13	14	15	16	17	18	19	20	..	..	..
14	17 20	26 31	40 50	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15	17 20	26 31	40 50	55 65	75	85	95	..	..	..	..	..	..	..	..	..	..	..	..	..
17	18 21	28 33	40 50	60 68	80	90	1 00	..	..	..	..	..	..	..	..	..	..	..	..	..
18	20 22	28 33	42 52	62 72	80	90	1 00	1 10	..	..	..	..	..	..	..	..	..	..	..	..
1 $\frac{1}{4}$	..	23 25	30 35	42 52	62 72	80	90	1 00	1 10	1 20	1 40	..	..	..	..	..	..	..	..	..
1 $\frac{1}{2}$	..	..	31 36	42 52	62 72	80	90	1 00	1 10	1 20	1 40	..	..	..	..	..	..	..	..	..
2	..	..	..	38	45 55	65 75	80	90	1 00	1 15	1 25	1 45	1 65	1 90	..	..	..	..	..	..
2 $\frac{1}{4}$	..	..	..	..	45 55	65 75	80	90	1 00	1 15	1 30	1 45	1 65	1 90	2 00	2 25	..	..	..	..
2 $\frac{1}{2}$	..	..	..	..	..	55 65	75 84	96	1 08	1 22	1 37	1 52	1 69	1 90	2 12	2 35	2 60	3 25	..	..
3	..	..	..	..	..	..	70 75	87	1 00	1 13	1 26	1 55	1 75	1 95	2 25	2 50	2 85	3 50	..	..
3 $\frac{1}{2}$	..	..	..	..	..	..	..	87	1 04	1 22	1 40	1 58	1 76	1 96	2 16	2 36	2 56	2 85	3 50	..
4	..	..	..	..	..	..	..	..	1 55	1 70	1 90	2 10	2 32	2 54	2 76	3 00	3 25	..	..	..
4 $\frac{1}{2}$	..	..	..	..	..	..	..	..	..	1 65	1 80	2 00	2 20	2 40	2 60	2 80	3 05	3 75	..	..
5	..	..	..	..	..	..	..	..	..	..	2 23	2 40	2 60	2 80	3 00	3 20	3 45	3 75	..	..
6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Oval and Curved Flanges, 50 per cent. advance. Blank Flanges, 6 cts. per lb.

FLOOR AND CEILING PLATES.

Size.....	$\frac{1}{4}$	$\frac{3}{8}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6 in.
Floor.....	.08	.10	.12	.15	.20	.25	.35	.40	.50	.65	.80	1.00
Ceiling.....	.12	.14	.18	.24	.32	.40	.50	.75	..	..	..	..

LONG TURN FITTINGS.

Size.....	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6 in.
Elbows.....	.60	.70	.80	1 10	1 65	2 40	3 00	3 75	9 50	12 00
Tee.....	.70	.75	.90	1 20	1 80	2 60	3 20	4 00	12 00	15 00
..	..	.80	1 10	1 50	2 20	4 00	4 75	5 50	..	..

MANIFOLDS, Or BRANCH TEES.

Number of Outlets.....		2	3	4	5	6	7	8	9	10	12
$\frac{3}{4}$ in. Outlets, 2 in. Center to Center,	1 or $1\frac{1}{4}$ in. run.	50	65	80	95	1 10	1 35	1 50	1 65	1 85	2 50
	$1\frac{1}{2}$ "	65	85	1 05	1 15	1 30	1 65	2 00	2 50	3 00	.....
1 in. Outlets, 2 $\frac{1}{2}$ in. Center to Center,	1 or $1\frac{1}{4}$ "	70	80	95	1 10	1 35	2 05	2 35	2 55	2 85	3 75
	$1\frac{1}{2}$ "	75	90	1 05	1 20	1 50	2 20	2 50	2 80	3 15	4 00
$1\frac{1}{4}$ in. Outlets, 3 in. Center to Center,	2 "	1 00	1 20	1 60	1 80	2 00	2 40	2 80	3 30	4 00	4 75
	$2\frac{1}{2}$ "	2 10	2 50	2 90	3 25	3 60	4 00	4 50	5 00	5 50	6 00
$1\frac{1}{2}$ in. Outlets, 3 $\frac{1}{2}$ in. Center to Center,	$1\frac{1}{2}$ "	1 20	1 60	2 00	2 40	2 80	3 20	3 60	4 00	4 40	4 80
	2 "	1 40	1 85	2 45	2 90	3 40	3 90	4 40	5 00	5 50	6 00
		1 75	2 25	2 75	3 25	3 75	4 25	4 75	5 50	6 00	6 50

Back or Side Outlets charged as additional Front Outlets.
In ordering, be particular to STATE size of RUN required. When not ordered otherwise, all openings will be tapped right hand.

HEADERS OF WROUGHT IRON PIPE,

Any size, length and number of Outlets, made to order, for Dyeing Rooms, Laundries, Ovens, etc.

WALL PLATES, COIL STANDS, ETC.

Number of Pipes.....		1	2	3	4	5	6	7	8	9	10	11	12
Hook Plates.....	$\frac{3}{4}$ inch.....	07	12	16	20	24	28	32	36	43	50	60	70
	1 "	09	15	21	27	32	40	48	56	65	70	80	1 00
	$1\frac{1}{4}$ "	10	20	30	40	50	65	75	80	95	1 05	1 15	1 25
	$1\frac{1}{2}$ "	20	40	60	80	1 00	1 20	1 40	1 60	1 80	2 00	2 20	2 40
Ring Plates... ..	2 "	30	50	75	1 00	1 25	1 50	.....	.....	.....	.....	.....	.....
	$\frac{3}{4}$ "	13	22	30	40	50	60	70	80	95	1 15	1 35	1 50
Expansion Plates	1 "	15	25	35	45	55	65	75	85	1 00	1 20	1 40	1 60
	$\frac{3}{4}$ "	10	16	24	34	40	50	60	70	80	90	1 00	1 10
Coil Stands	1 "	12	20	27	38	45	55	65	75	85	95	1 10	1 20
	$1\frac{1}{4}$ "	15	30	38	50	65	75	90	1 05	1 20	1 35	1 50	1 75
	$\frac{3}{4}$ "	.....	per pair	..	55	...	70	...	85	...	1 25	...	1 50
	1 "	.....	" "	50	60	...	75	...	1 30	...	1 60	...	2 05

HOOKS FOR WROUGHT IRON PIPE.

Size	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2 in.
Per 100.....	60	80	90	1 05	1 40	1 80	2 00	2 40

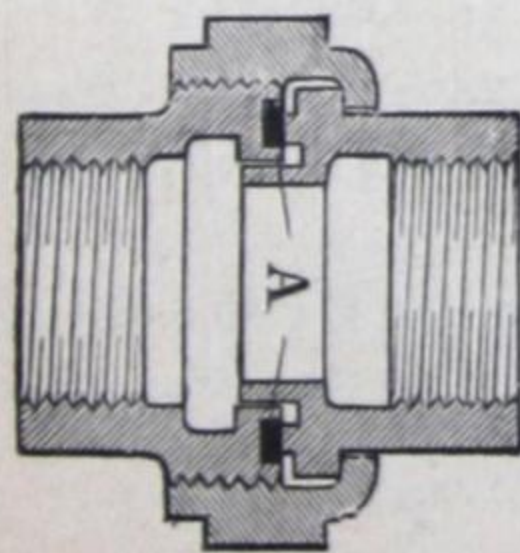
BRASS FITTINGS.—Iron Pipe Sizes.

Size.....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3 in.
Elbows	10	12	16	25	35	50	85	1 15	2 00	3 00	4 25
Tees	15	18	24	33	50	75	1 25	1 75	3 00	4 50	6 50
Crosses	20	25	32	50	70	1 00	1 70	2 30	4 00	6 00	8 50
Return Bends, Close .....	.....	.....	.....	40	60	90	1 30	2 00	3 00	6 00	9 00
Nipples, Short	20	20	25	30	35	45	60	80	1 10	1 65	2 75
Plugs, Caps and Bushings....	06	08	10	15	20	35	50	70	90	1 50	2 25
Locknuts	08	08	10	12	15	20	30	45	70	1 00	2 00
Couplings	08	20	15	20	30	35	60	75	1 25	1 75	3 00
Unions.....	35	45	55	75	1 00	1 40	1 90	2 75	3 75	6 00	8 00

SEAMLESS BRASS OR COPPER TUBES.—Iron Pipe Sizes.

Size.....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3 in.
Weight per foot lbs.	$\frac{1}{4}$	7-16	$\frac{5}{8}$	8-10	$1\frac{1}{4}$	1 7-10	$2\frac{1}{2}$	$2\frac{3}{4}$	$3\frac{1}{2}$	$4\frac{3}{4}$	8 7-10

Special Price, per lb.



AMERICAN UNIONS, with Metallic Packing.

Size.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3 in.
Plain	20	22	25	30	36	48	65	80	.....	.....
Galvanized.....	24	28	32	41	50	65	96	1 12	.....	.....
Tinned.....	30	33	37	48	60	80	1 15	1 37	.....	.....

MALLEABLE IRON FITTINGS.

CLASS A.

Price, 25 Cents per Pound.

Elbows	$\frac{1}{8}$, $\frac{1}{4} \times \frac{1}{8}$, $\frac{3}{8} \times \frac{1}{8}$.
Tees	$\frac{1}{8}$, $\frac{1}{8} \times \frac{1}{4}$, $\frac{1}{4} \times \frac{1}{8}$, $\frac{3}{8} \times \frac{1}{8}$.
Reducing Couplings	$\frac{1}{4} \times \frac{1}{8}$, $\frac{3}{8} \times \frac{1}{8}$.
Couplings, R. H.	$\frac{1}{8}$.

CLASS B.

Price, 13 Cents per Pound.

Elbows and Tees	$\frac{1}{4}$ inch to $\frac{3}{4}$, inclusive.
Street Elbows	all sizes.
Elbows, Side Outlets	all sizes.
Crosses	all sizes.
Drop Ls and Drop Tees	all sizes.
Caps, Plugs and Locknuts	all sizes.
Reducing Couplings	all sizes.
Extension Pieces.	
R. and L. Couplings	all sizes.
R. H. Couplings	$\frac{1}{4}$ to 1 inch.
Waste Nuts. Chandelier Hooks.	
Return Bends	all sizes.

CLASS C.

Price, 11 Cents per Pound.

Elbows and Tees	$1 \times \frac{3}{4}$ and larger.
-----------------------	------------------------------------

Such fittings, in this class, as have one or more outlets, smaller than $\frac{3}{4}$, will be charged in Class B.
Galvanized Fittings, as per Standard List.

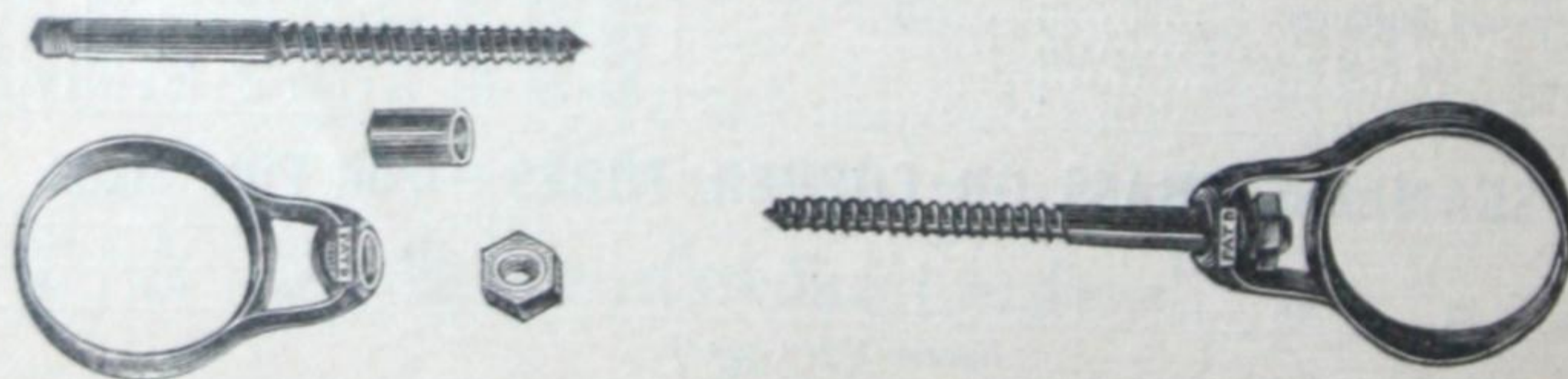
	A	B	C
Price, per lb.	35 cents.	20 cents.	18 cents.

An extra charge of 10 cents per lb. net, will be added to net price of Galvanized Fittings, not enumerated in Standard List.

An Illustrated Chart will be given on application.

In ordering Malleable Fittings for Steam, please so state.

BLAKE'S ADJUSTABLE PIPE HANGER.



Size.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6	7	8	9	10	11	12
Price.....	0 15	0 15	0 18	0 18	0 20	0 22	0 25	0 30	0 35	0 37	0 40	0 45	0 50	0 85	0 95	1 05	1 20	1 35	1 55

Made also with Clamps for Iron Beams.

These Hangers can be made any length by means of Wrought Iron Pipe.

Double Galvanized Spiral Riveted Flanged PRESSURE PIPE.

Made of galvanized iron and regalvanized after formation, thereby making all seams and laps perfectly solid.

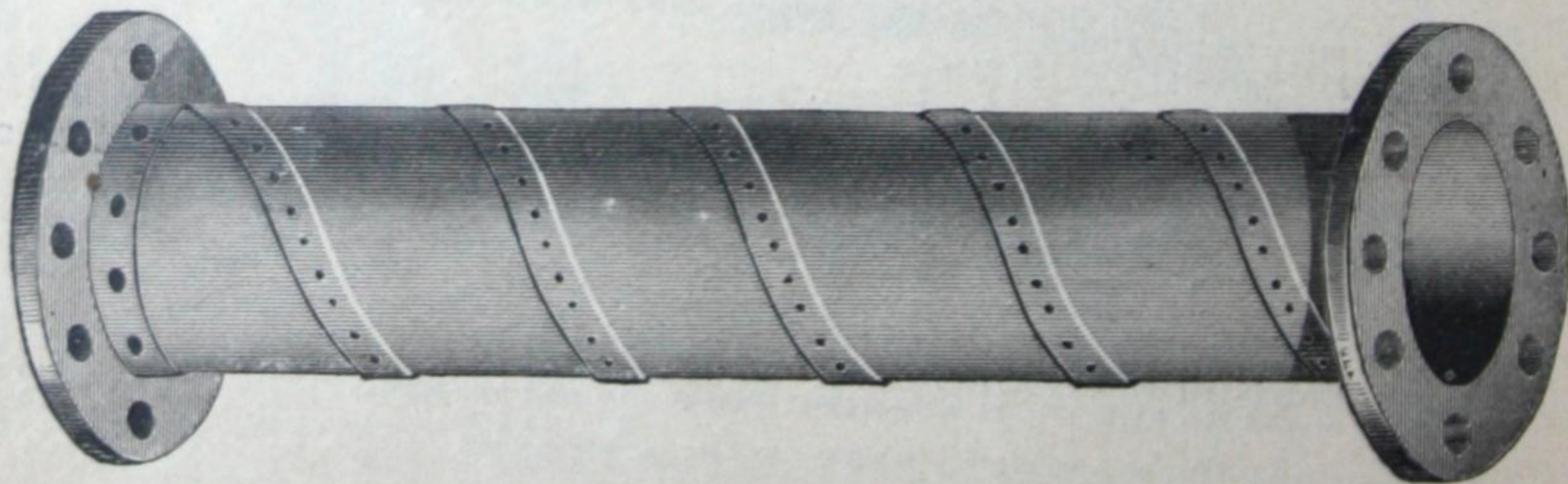
Each length tested to 150 pounds Hydraulic Pressure, suitable for

EXHAUST STEAM, EXHAUST-STEAM HEATING, PUMP SUCTIONS, PUMP COLUMNS, COMPRESSED AIR, REFRIGERATING PIPE, &c.

INSIDE DIAMETER IN INCHES.	PRICE PER LINEAL FOOT INCLUDING FLANGES.	THICKNESS BIRMINGHAM GAUGE.	NOMINAL WEIGHT PER FOOT.
3	\$0.50	No. 20	2 ¹ / ₄ lbs.
4	0.70	"	3 "
5	1.00	"	4 "
6	1.20	No. 18	5 "
7	1.40	"	6 "
8	1.70	"	7 "
9	2.00	"	8 "
10	2.60	No. 16	11 "
11	2.85	"	12 "
12	3.15	"	14 "
13	3.60	"	15 "
14	4.00	No. 14	20 "
15	4.40	"	22 "
16	5.15	"	24 "
18	6.40	"	29 "
20	7.95	"	34 "
22	....	....	....
24	....	....	....

In lengths of 20 feet, and less.

Pipe and Fittings gotten out to specifications and drawings, without extra charge, except where lengths required are ALL 5 feet or less, in which case all lengths are charged as being 5 feet.



Galvanized Cast & Wrought Iron Fittings,

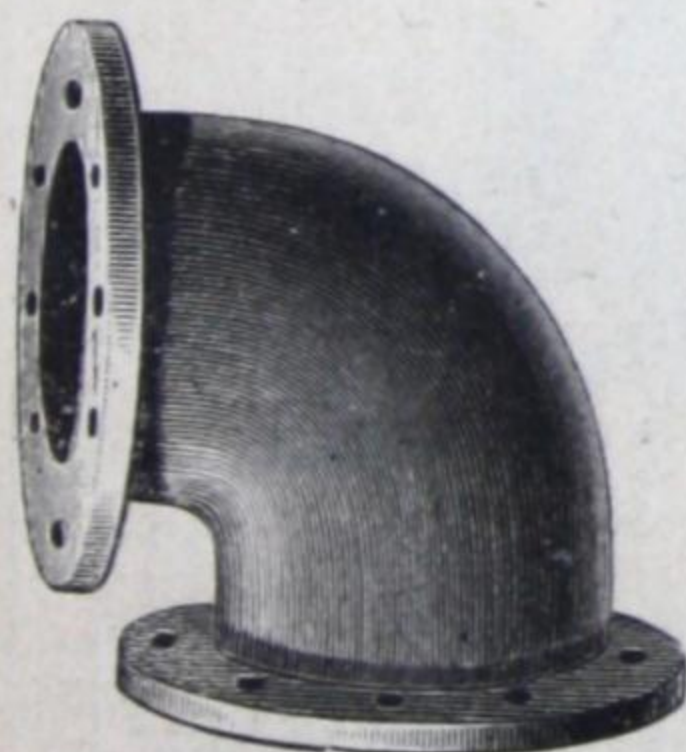
FOR FLANGED SPIRAL PIPE.

INSIDE DIAMETER.	ELBOWS.	TEES.	CROSSES.	REDUCERS.	FLANGES.	DISKS OR BLIND FLANGES.	BOLTS AND NUTS.	COMPOSITION GASKETS.
3 in.	\$ 1.60	\$ 2.75	\$ 4.15	\$.....	\$.39	\$.45	\$.04	\$.09
4 "	2.10	3.25	5.30	* 3.00	.52	.65	.04	.10
5 "	2.85	4.40	6.70	* 3.50	.65	.78	.04	.12
6 "	4.10	5.70	8.00	* 4.75	.78	1.17	.04½	.16
7 "	5.10	7.30	11.00	* 5.50	1.04	1.56	.04½	.18
8 "	6.70	9.80	14.25	* 6.50	1.17	1.82	.04½	.23
9 "	9.00	13.80	18.80	* 8.00	1.56	2.34	.04½	.31
10 "	10.00	17.60	24.50	*10.25	1.82	2.47	.04½	.40
11 "	*13.00	*20.00	*26.50	*12.00	1.95	3.25	.04½	.45
12 "	15.80	22.50	30.00	*13.00	2.08	3.90	.04½	.50
13 "	19.15	*25.00	*33.50	*14.60	2.34	4.55	.04½	.56
14 "	*22.30	*30.50	*38.00	*16.50	2.60	5.46	.05	.63
15 "	26.00	*37.00	*45.00	*18.40	3.12	5.98	.05	.75
16 "	*30.00	*44.00	*53.00	*21.30	4.42	6.76	.05	.90
18 "	*34.00	*50.00	*59.00	*26.00	5.07	9.10	.05	1.08
20 "	*38.50	*56.00	*67.00	*29.40	5.59	11.70	.05	1.25
22 "	* .....	* .....	* .....	* .....	.....	.....	.....	.....
24 "	* .....	* .....	* .....	* .....	.....	.....	.....	.....

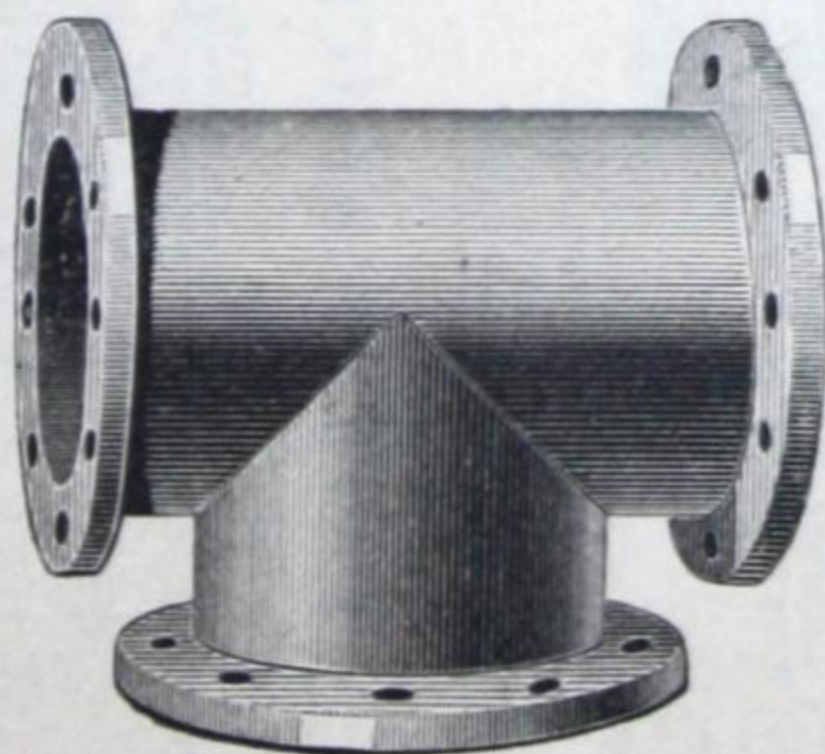
* All fittings marked thus are riveted sheet iron, all others are cast iron.

FITTINGS OF ANY DESIGN MADE TO ORDER.

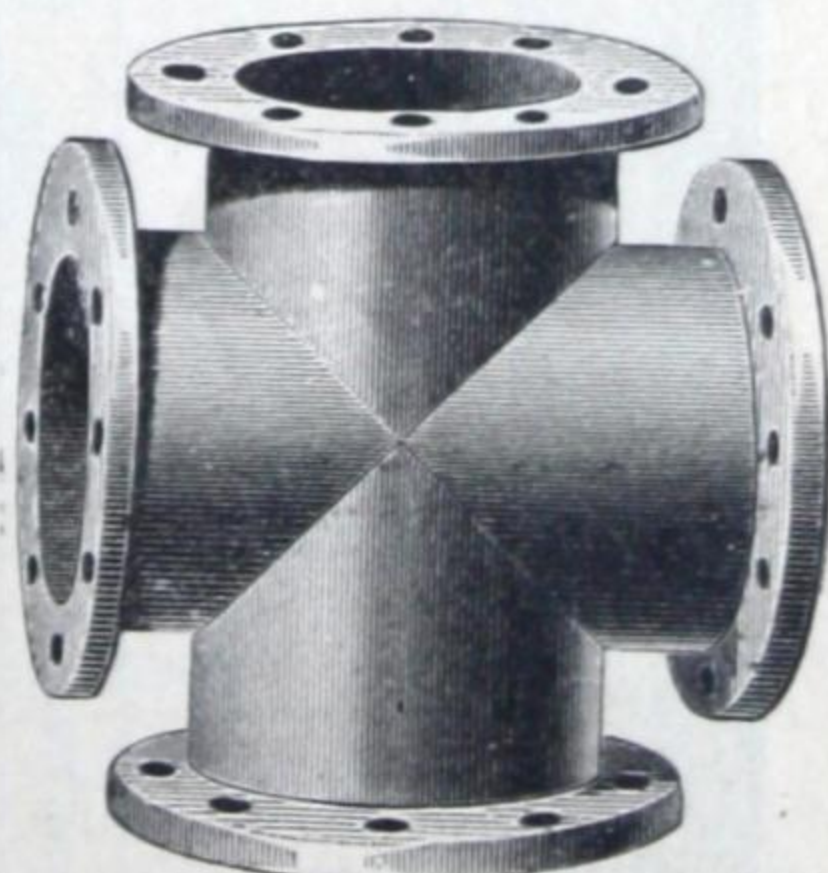
The Disks can be Tapped to Suit Wrought Iron Pipe if Required.



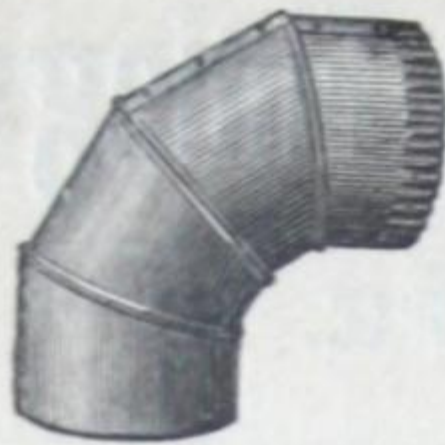
Cast Iron Flanged Elbow.



Cast Iron Flanged Tee.



Cast Iron Flanged Cross.



ROOT'S
PATENT SPIRAL SEAM RIVETED PIPE.

SPIRAL, RIVETED IRON PIPE.

Internal Diameter	2	2½	3	4	5	6	7	8	9	10	11	12	13	14	15	16	18	20 in.
Light Leader Pipe, Galvaniz. d., per ft.	14	17	19	25	30	38	37	42	48	54	60	68	70	72	78	82	90	
No. 24 Wire Gauge Pipe, Black	14	17	19	25	30	38	37	42	48	54	60	68	70	72	78	82	90	
" " " Galvanized	14	17	20	25	30	33	37	42	48	54	60	68	70	72	78	82	90	
" " " Black	14	17	20	25	30	33	37	42	48	54	60	68	70	72	78	82	90	
" " " Galvanized	14	17	24	30	37	40	45	53	60	65	70	75	82	85	90	95	100	
" " " Black	14	17	24	30	37	40	45	53	60	65	70	75	82	85	90	95	100	
" " " Galvanized	14	17	27	35	40	46	51	58	66	72	78	85	90	95	100	105	110	
" " " Black	14	17	27	35	40	46	51	58	66	72	78	85	90	95	100	105	110	
" " " Galvanized	14	17	34	42	50	57	63	73	82	90	95	105	115	120	125	130	140	
" " " Black	14	17	34	42	50	57	63	73	82	90	95	105	115	120	125	130	140	
" " " Galvanized	14	17	46	58	70	85	90	105	118	130	140	165	180	195	210	225	255	

PATENT ADJUSTABLE ELBOWS.

Price, per dozen.

STIFF ELBOWS.

Price, per dozen.

Size.	Charcoal Iron.	Planished or American Russia.	Genuine Russia.	Galvanized Iron.	Tin.
1½ inch	1 80	3 00	5 00	2 00	1 50
2 "	2 00	3 50	5 40	2 50	1 50
2½ "	2 20	4 00	5 40	3 00	2 00
3 "	2 25	5 00	7 00	3 50	2 00
3½ "	2 90	6 10	8 40	4 00	3 00
4 "	3 35	7 10	8 75	4 50	3 00
4½ "	4 20	8 75	10 00	5 50	4 00
5 "				6 50	4 00
5½ "				7 00	5 50
6 "				8 50	5 50
7 "				11 50	7 00
8 "				12 50	9 00
9 "				14 00	10 50
10 "					12 00

Riveted and Heavy Elbows and Fittings to order.

IMPROVED EXHAUST CONDENSER.

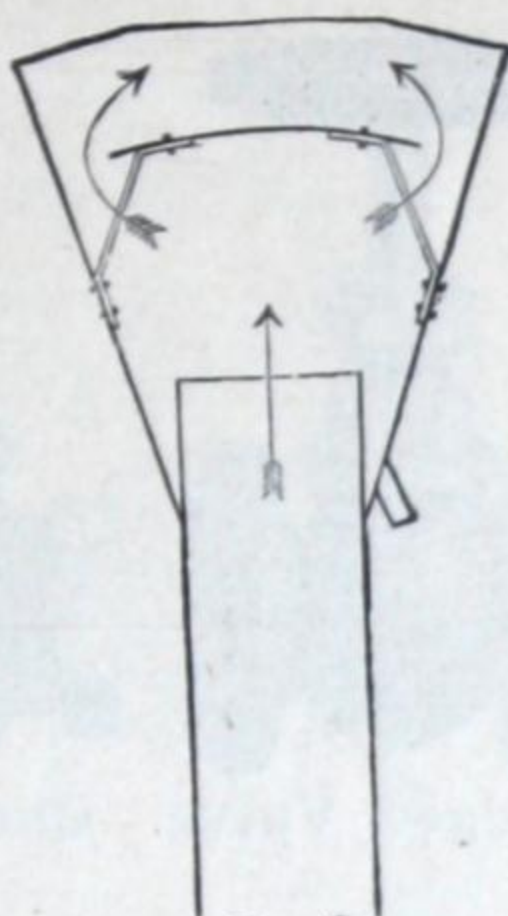


Fig 2

This cut presents a sectional view, showing the construction of a very valuable device to apply to the upper end of all exhaust pipes leading from Engines or Pumps. By the use of these condensers, damage to roofs and annoyance to passers-by is prevented, and the product of condensation can be returned to the hot well in boiler-room.

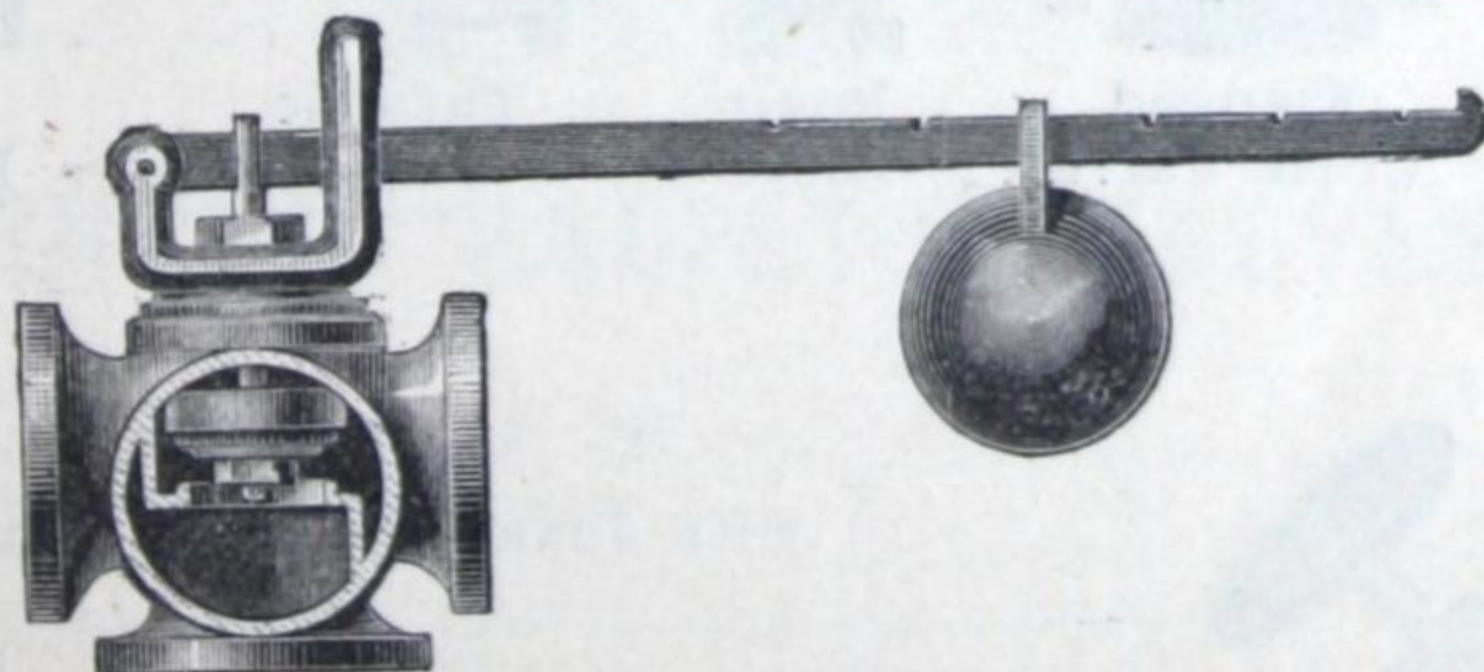
SPECIAL SIZES MADE TO ORDER.

Size of Pipe.....	2	2½	3	3½	4	5	6	8	10 in.
Price,	7 00	7 50	8 00	9 00	11 00	13 00	16 00	20 00	24 00

GALVANIZED WIRE STRAINERS AND HOOKS.

Size	2	2½	3	3½	4	5	6	7	8	9	10 in.
Strainers, . . . per doz.	2 50		3 00		3 50	4 00	4 50		10 50		15 00
Hooks, each	04½	05	06	07	08	12	15	19	24	30	39

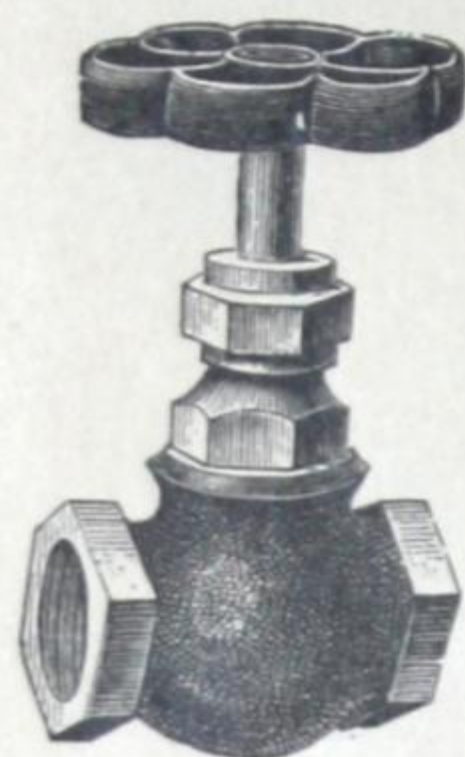
THE JENKINS SAFETY VALVE.



The Disc used in these Valves will stand 200 pounds steam pressure, and will last for years.

Brass.							Iron Body.								
Size,	1/2	3/4	1	1 1/4	1 1/2	2	Size....	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
Price,	3 75	4 50	5 00	7 50	9 25	14 00	Screwed	4 50	6 25	7 25	10 25	16 75	22 00	39 00	38 00
							Flanged				12 25	19 00	25 50	34 00	41 50

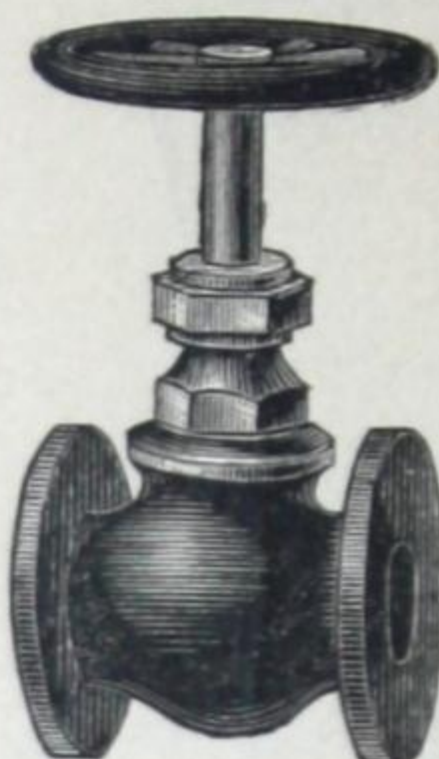
BRASS VALVES.



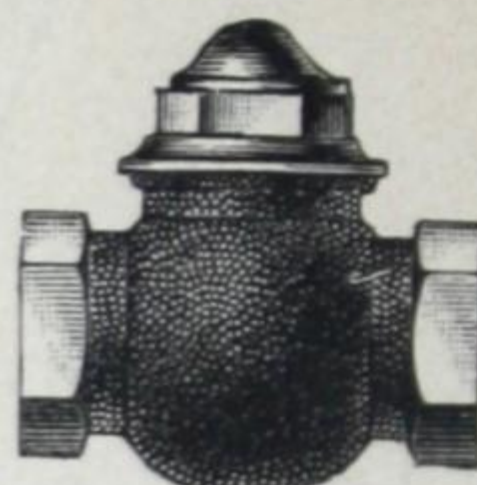
Globe Valve.



Angle Valve.



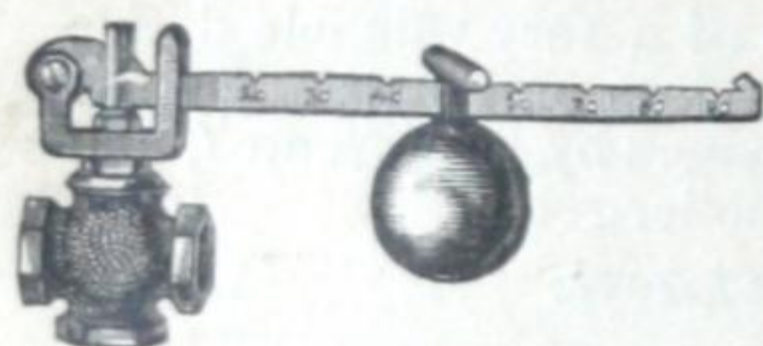
Flanged Valve.



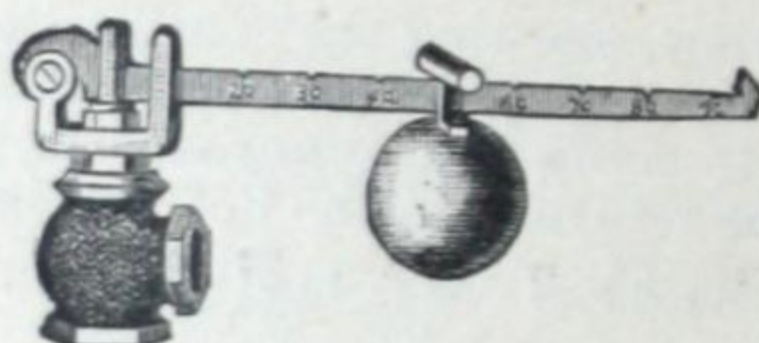
Check Valve.



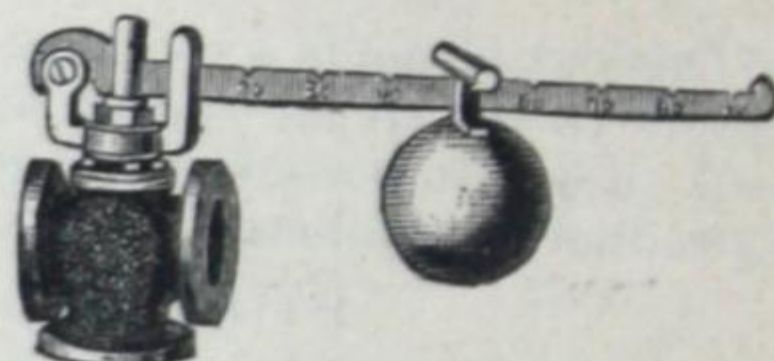
Flanged
Check Valve.



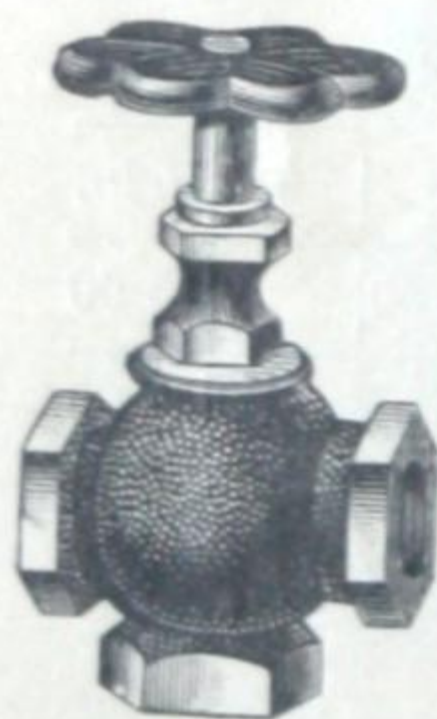
Safety Valves.



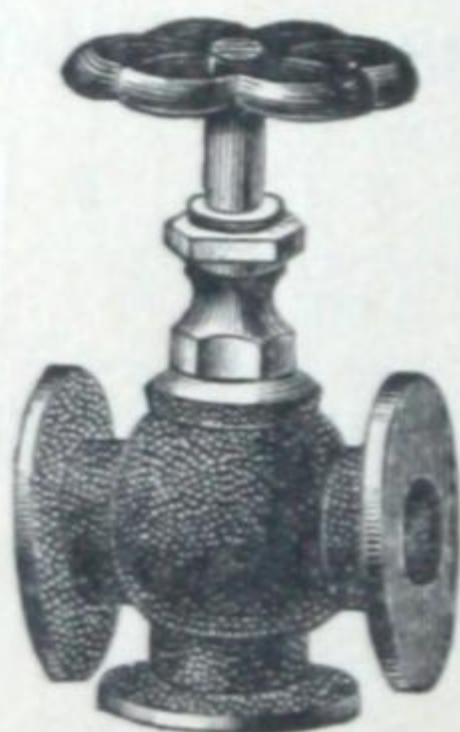
Angle Safety Valves.



Flanged Safety Valves



Cross Valve.



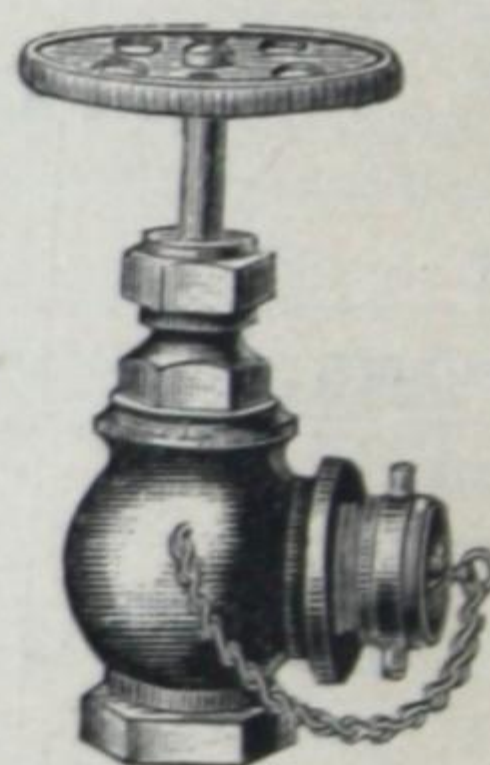
Flanged
Cross Valve.



Pump
Valve.

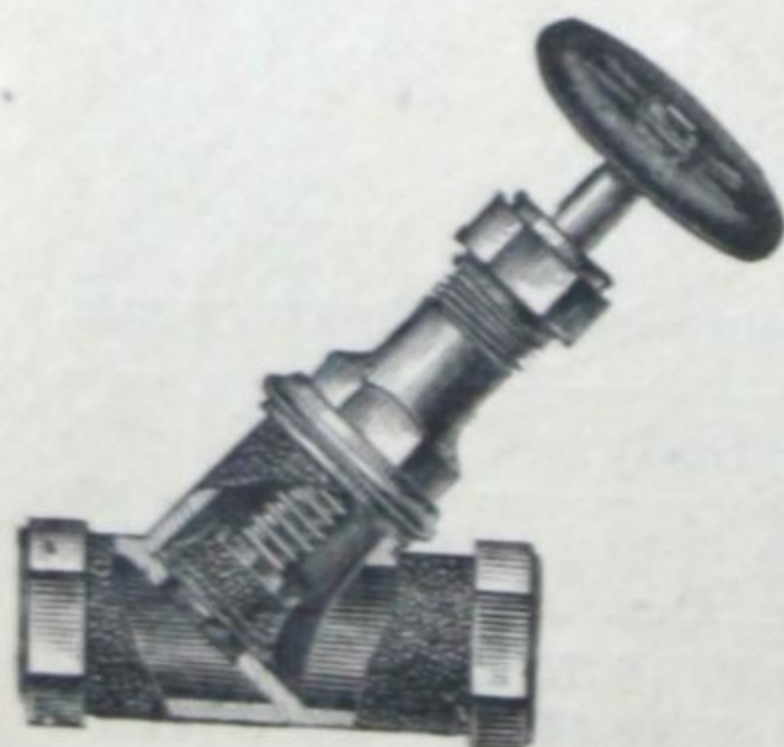


Throttle
Valve.



Hose Valve.

Y VALVES, with Jenkins' Patent Seat.



Size.....	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6
Brass.....	\$2	\$3	\$4	5 00	6 00	8 50	18 00	25 00	.....	.....	.....	.....
Iron.....	.....	.....	.....	.....	.....	.....	13 00	18 00	21 50	28 00	42 00	50 00
Flanged...	.....	.....	.....	.....	.....	.....	15 00	20 50	24 00	27 50	42 50	52 50

BRASS VALVES.

Size.	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4 in.
Globe and Angle Valves.....	60	60	75	1 00	1 35	1 80	2 80	3 90	5 90	11 75	16 00	30 00	40 00
“ “ “ Heavy	80	80	95	1 25	1 80	2 50	3 75	5 25	7 25	14 00	19 00	.....	.....
“ “ “ Flanged .....	.....	.....	.....	.....	.....	5 00	7 00	9 00	14 00	20 00	30 00	45 00	65 00
Check Valves.....	50	50	60	85	1 15	1 55	2 30	3 25	5 20	10 00	14 00	.....	.....
“ “ Heavy	65	65	70	1 00	1 50	1 85	3 25	4 50	6 50	12 50	17 00	.....	.....
“ “ Flanged.....	.....	.....	.....	3 25	3 75	4 50	6 50	8 50	13 00	19 00	28 00	42 00	60 00
“ “ Vertical .....	.....	.....	.....	85	1 15	1 55	2 30	3 25	5 20	10 00	14 00	.....	.....
Safety “ .....	.....	.....	.....	2 25	2 80	3 80	5 50	7 00	11 00	.....	.....	.....	.....
Cross “ .....	.....	.....	.....	1 50	2 00	2 50	3 50	5 00	8 00	16 00	24 00	.....	.....
Pump “ .....	.....	.....	.....	2 00	3 00	4 00	6 00	9 00	.....	.....	.....	.....	.....
“ “ with Air Chamber .....	.....	.....	.....	2 50	4 00	5 25	7 25	10 50	.....	.....	.....	.....	.....
“ “ “ and Cock .....	.....	.....	.....	3 00	4 50	5 75	7 75	11 25	.....	.....	.....	.....	.....
Suction Baskets .....	.....	.....	.....	.....	.....	1 30	1 50	2 00	3 50	5 00	7 50	11 50	15 00
Foot Valves and Strainers.....	.....	.....	.....	.....	1 50	2 00	2 75	3 75	5 50	12 00	16 00	.....	.....
Throttle Valves.....	.....	.....	.....	.....	7 50	9 00	11 00	13 00	20 00	30 00	.....	.....	.....
Hose Valves.....	.....	.....	.....	.....	.....	5 00	7 00	9 00	14 00	20 00	30 00	.....	.....

HYDRAULIC VALVES AND FITTINGS.

Special Prices.



RADIATOR VALVES—Wood Wheel or T Handle.

Size.....	1/2	3/4	1	1 1/4	1 1/2
Rough Body, Plain.....	1 35	1 60	2 25	3 25	4 50
“ “ Plated Trimmings	1 45	1 85	2 50	3 50	4 80
“ “ Plated all over... ..	1 65	1 95	2 65	3 70	5 00
Finished “ Plain.....	1 85	2 15	2 85	4 00	5 50
“ “ Plated all over... ..	2 15	2 50	3 25	4 45	6 00

RADIATOR VALVES—With Ground Coupling.

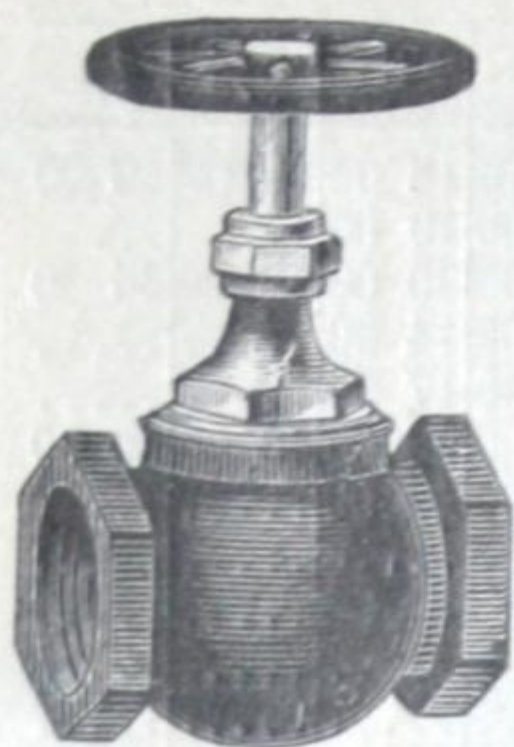
Size.....	1/2	3/4	1	1 1/4	1 1/2
Rough Body, Plain.....	2 05	2 45	3 25	4 50	6 50
“ “ Plated Trimmings	2 40	2 85	3 65	5 10	7 10
Finished “ Plain	2 55	3 00	3 85	5 25	7 50
“ “ Plated all over... ..	2 90	3 90	4 30	5 80	8 10

JENKINS' RADIATOR VALVES.

Size.....	1/2	3/4	1	1 1/4	1 1/2
W. W. Rough Body, Finished Trimmings.....	2 00	2 50	3 20	4 50	6 25
“ Finished all over.....	2 50	3 00	3 75	5 25	7 25
“ Rough Body, Plated Trimmings.....	2 25	2 70	3 50	4 75	6 50
“ “ “ all over.....	2 50	2 85	3 65	4 90	6 75
“ Finished and Plated all over.....	2 85	3 10	4 00	5 40	7 75
“ Rough Body, Finished Trimmings.....	2 75	3 50	4 30	5 85	7 75
“ Finished all over	3 20	4 00	4 80	6 40	8 75
“ Rough Body, Plated Trimmings	3 00	3 75	4 65	6 25	8 00
“ “ “ all over... ..	3 20	3 80	4 75	6 40	8 10
“ Finished and Plated all over.....	3 25	4 25	5 25	7 00	9 25
“ Corner Valves, Finished Trimmings.....	2 25	2 75	3 50	5 00	.....
“ “ “ Plated	2 75	3 25	4 00	5 50	.....

Male or
Female
Union.

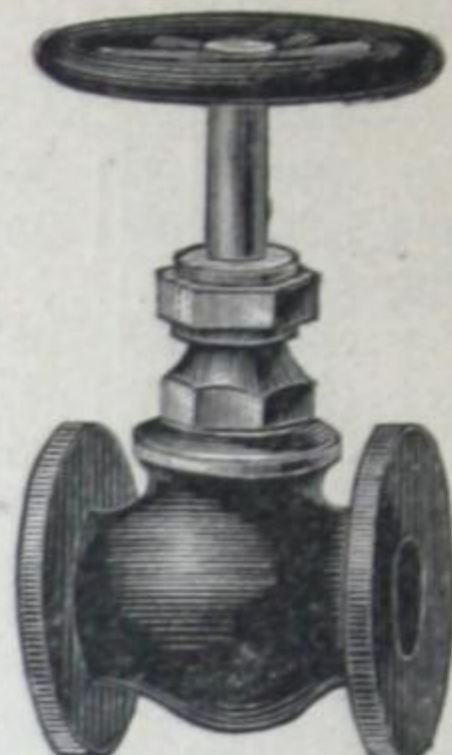
IRON BODY VALVES.



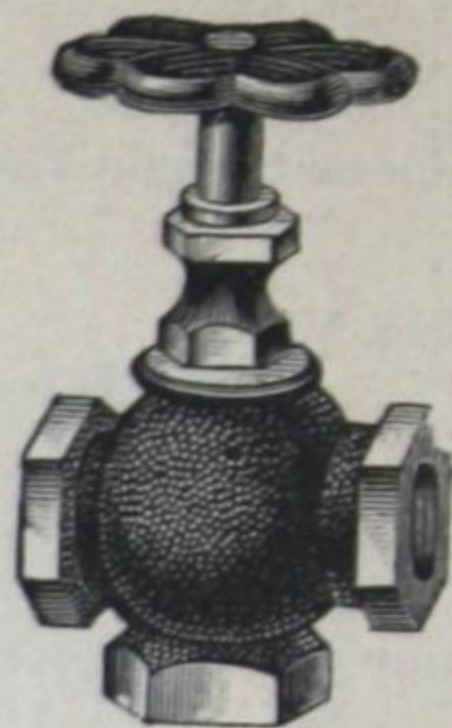
Globe Valve.



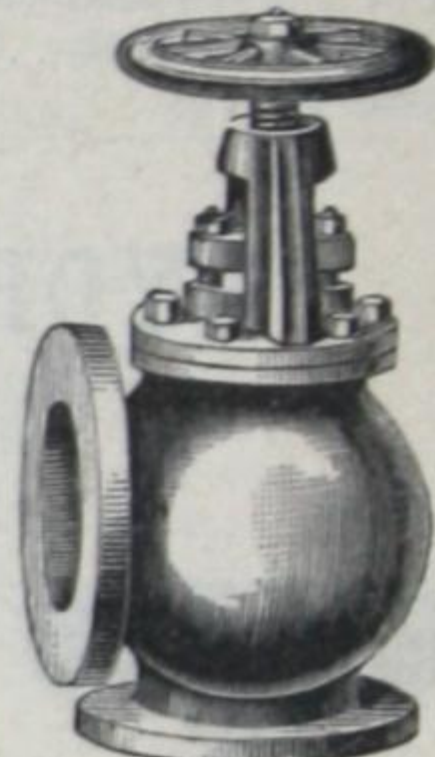
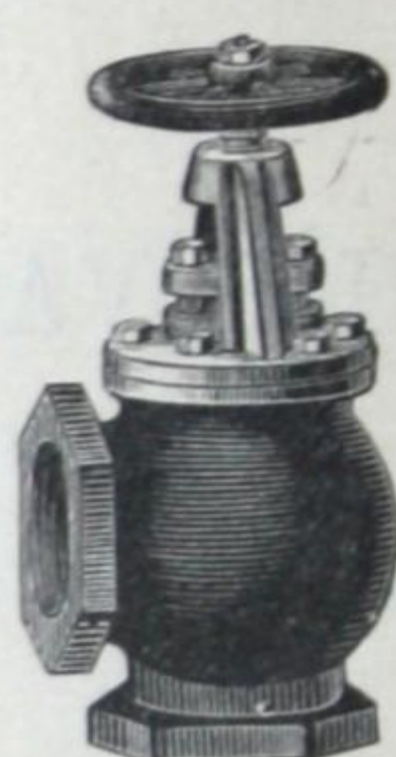
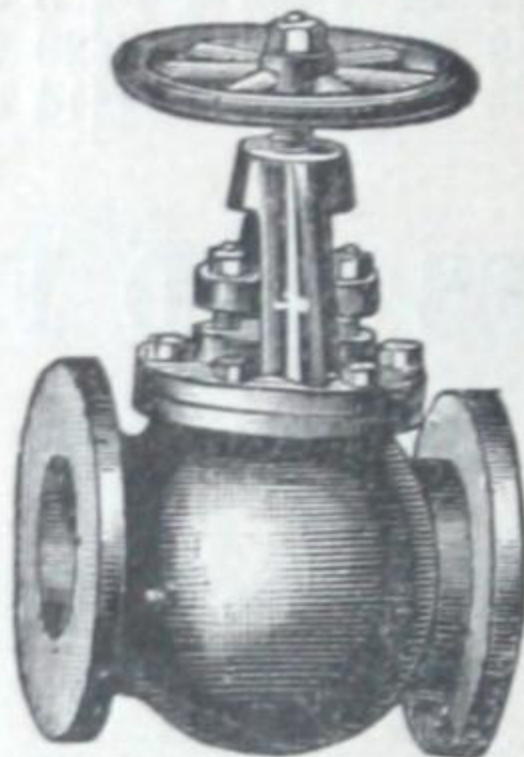
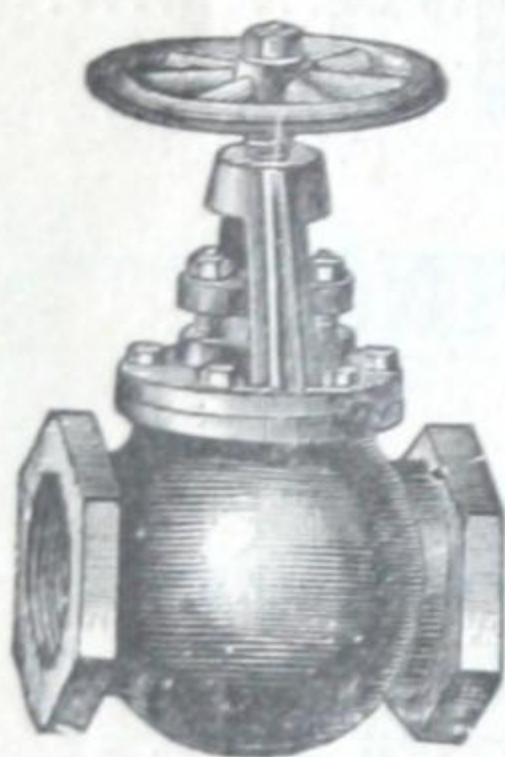
Angle Valve.



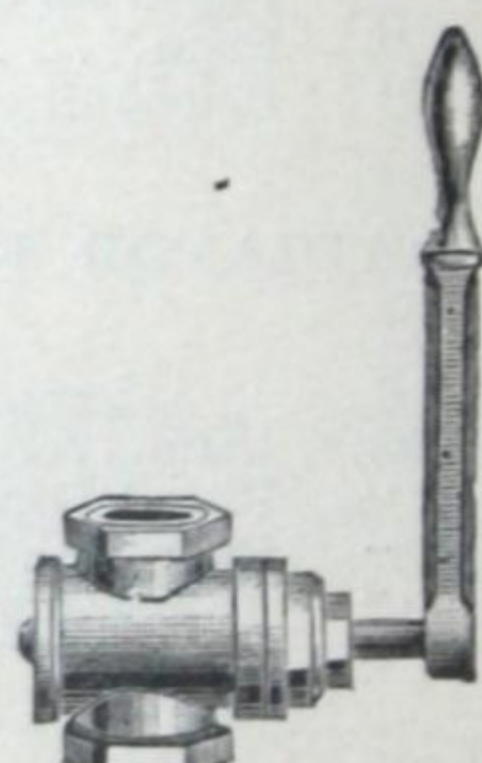
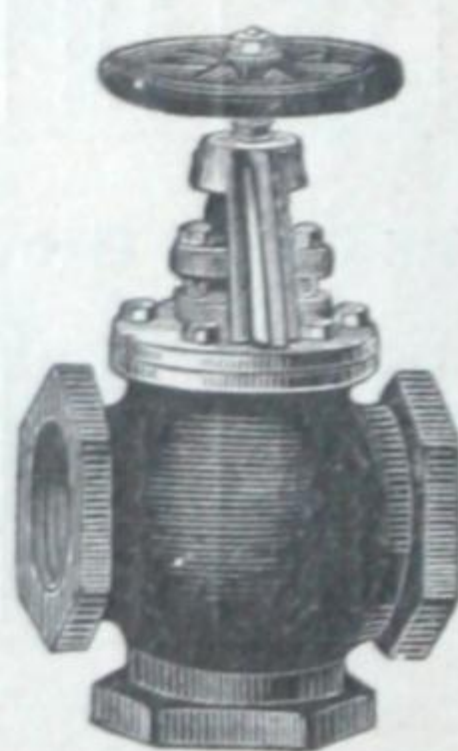
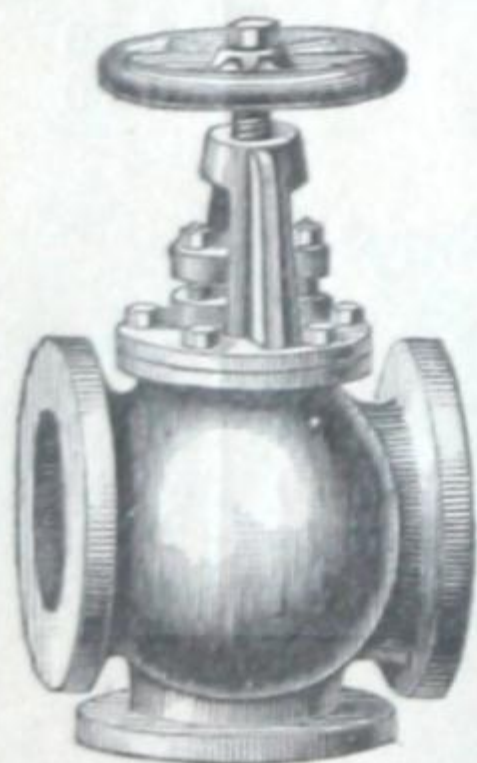
Flanged Valve.



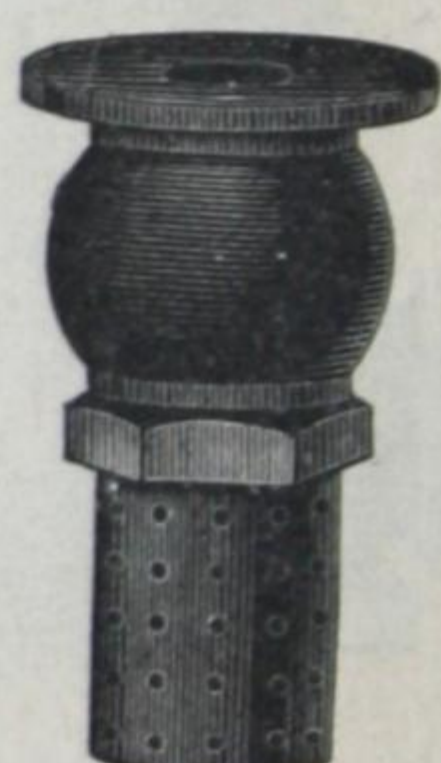
Cross Valve.



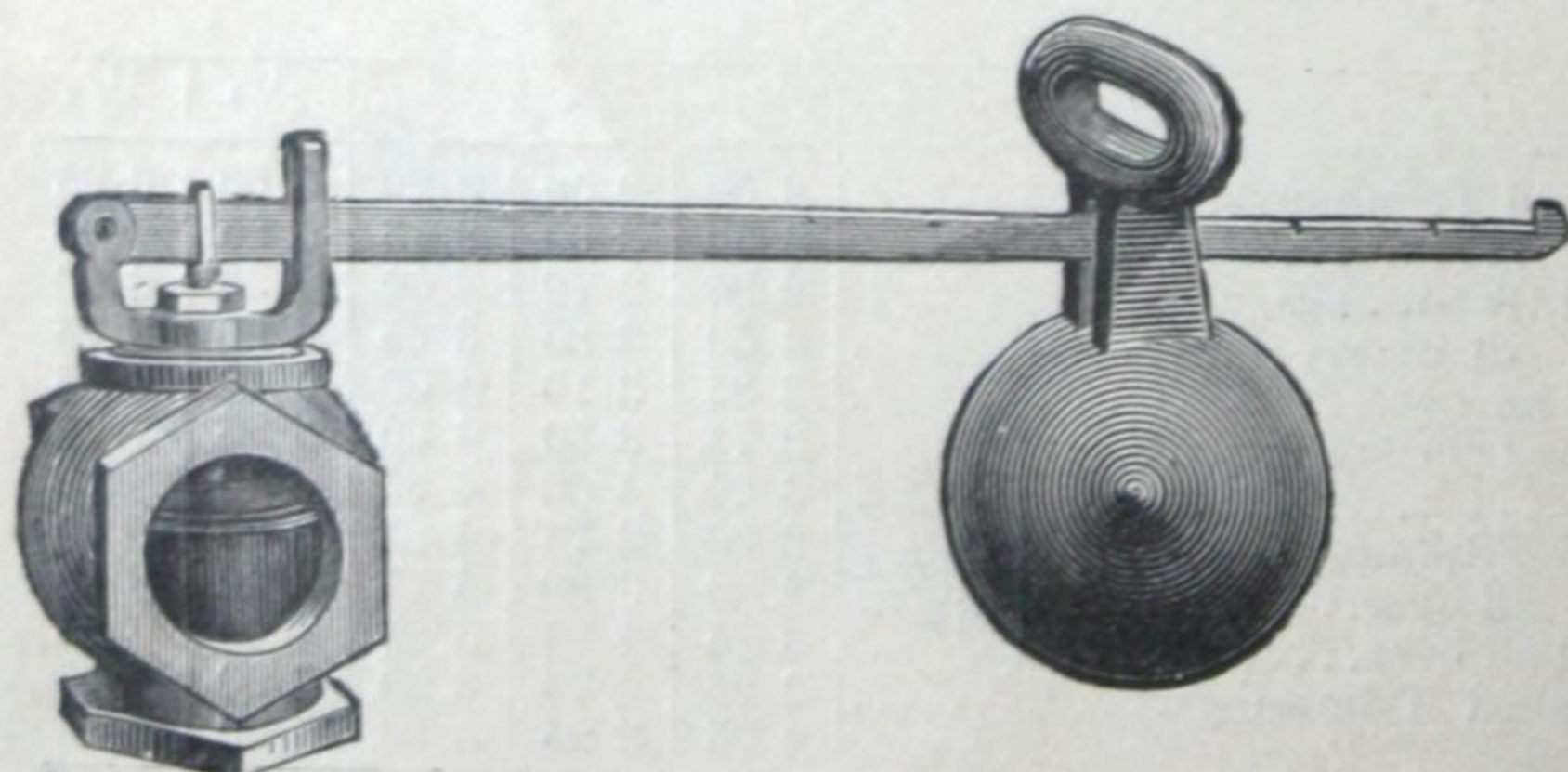
VALVES WITH YOKE.



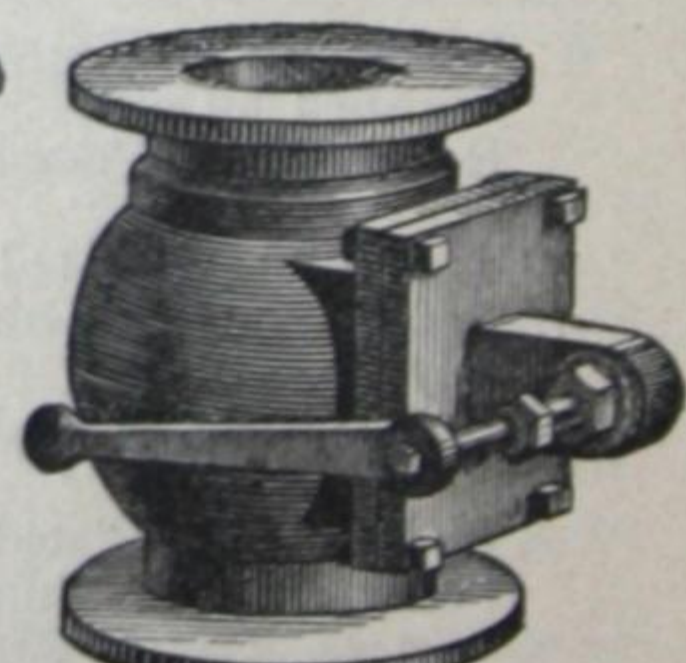
Throttle Valve.



Foot Valve,
Screwed or Flanged.



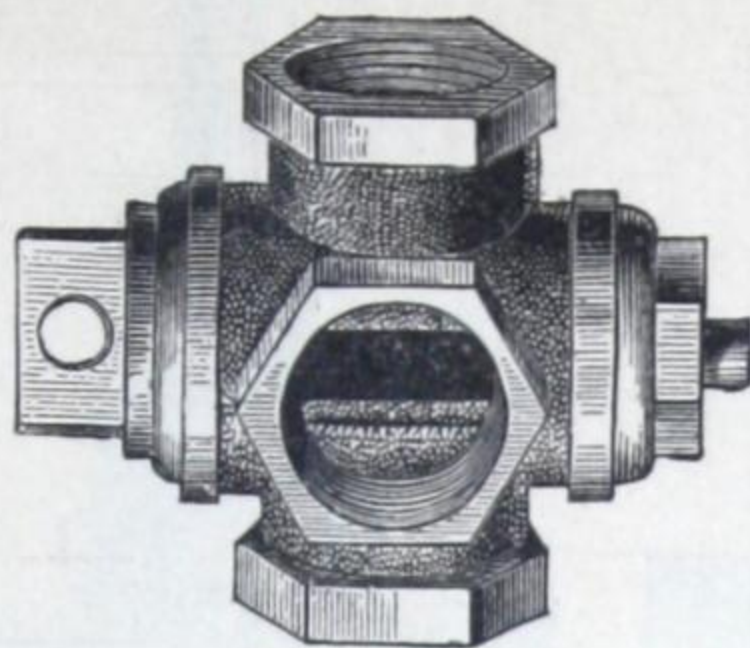
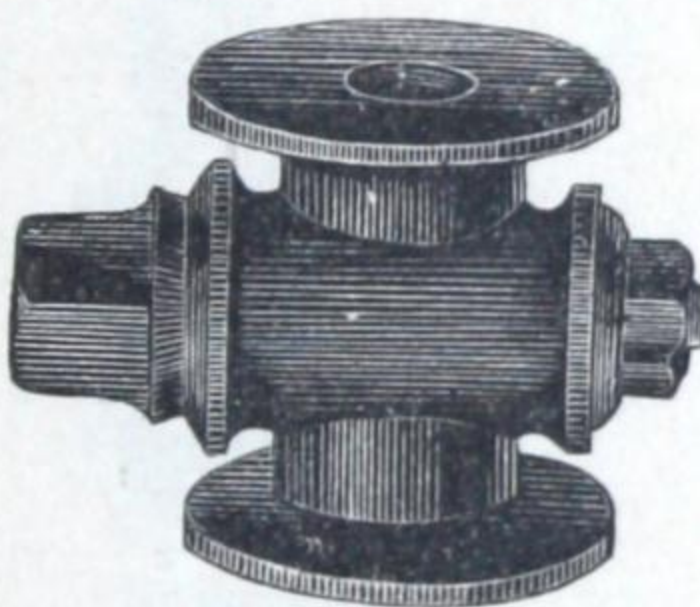
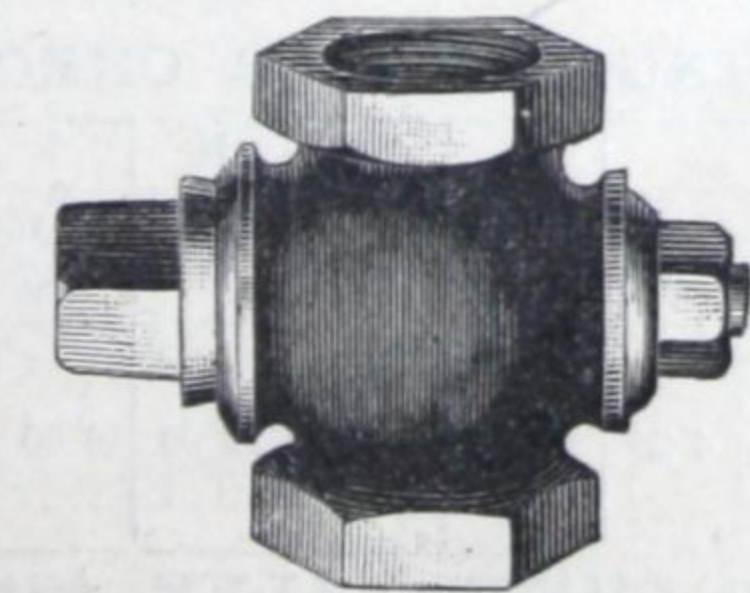
Safety Valve, Screwed or Flanged.



Back Pressure Valve, Screwed or Flanged.

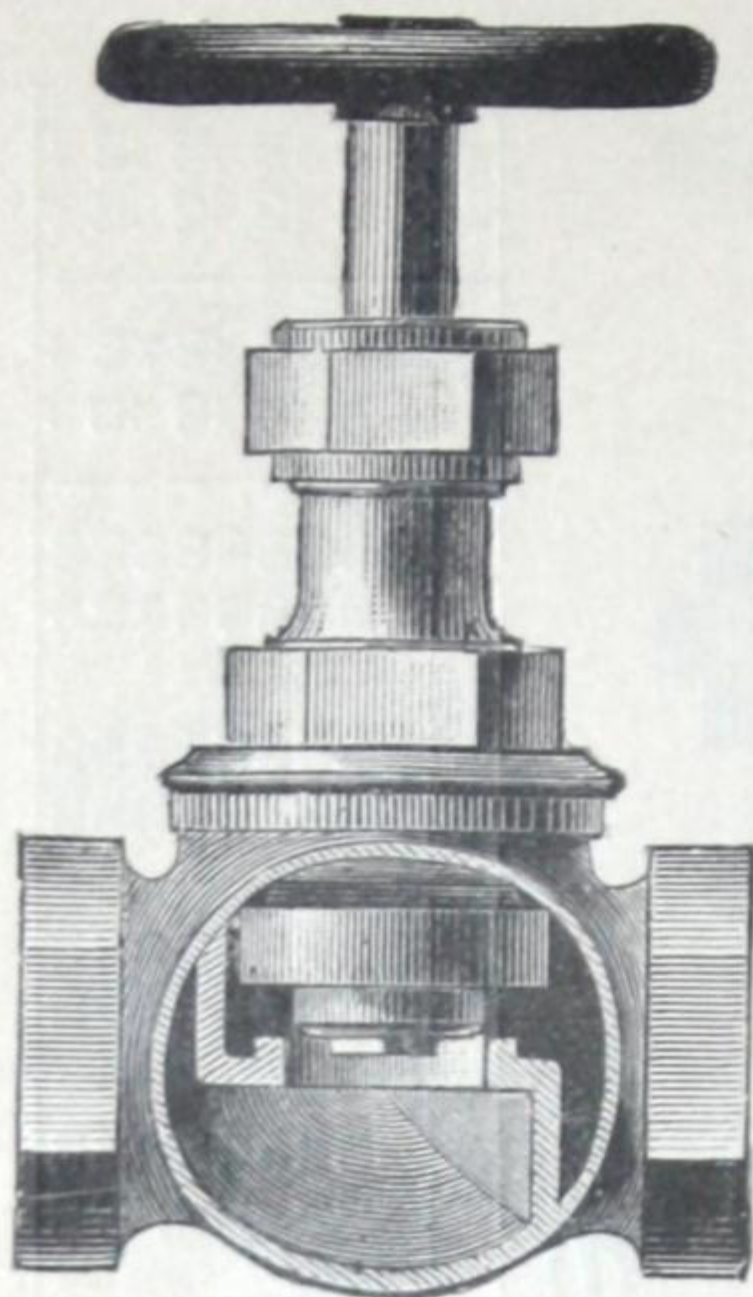
IRON VALVES.—Brass Mounted.

Size.....	1	1¼	1½	2	2½	3	3½	4	4½	5	6	7	8	10	12 in.
Globe and Angle Valves, Screwed.....	2 00	2 50	3 50	5 00	7 50	10 50	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
" " " Flanged.....	3 00	3 75	5 00	6 75	9 50	13 50	18 00	21 00	28 ..	32 00	44 00	75 00	85 00	135 00	200 00
" " " Screwed, (Yoked).....	.. ..	.. ..	.. ..	8 00	10 50	14 50	21 50	25 00	32 ..	36 00	49 00	80 00	91 00	145 00	220 00
" " " Flanged, ..	.. ..	.. ..	.. ..	9 75	12 50	17 50	12 75	15 00	20 ..	24 00	33 00	55 00	65 00	110 00	170 00
Check Valves, Screwed ..	1 50	2 25	2 75	3 75	6 75	9 75	16 25	18 00	24 ..	28 00	38 00	60 00	71 00	120 00	190 00
" " " Flanged.....	2 50	3 50	4 25	5 50	8 25	12 75	24 00	30 00	36 ..	44 00	60 00	.. ..	145 00	.. ..	.. ..
Safety Valves, Screwed ..	3 50	5 00	6 00	8 00	13 00	18 00	29 25	36 00	42 ..	50 00	67 00	.. ..	154 00	.. ..	.. ..
" " " Flanged.....	5 00	6 75	8 25	10 50	16 00	22 50	24 00	28 00	35 ..	40 00	54 00	90 00	105 00	175 00	260 00
Cross Valves, Screwed.....	.. ..	.. ..	.. ..	9 00	13 00	18 50	27 00	32 00	41 ..	46 00	61 00	95 00	114 00	190 00	290 00
Back Pressure Valves, Screwed ..	.. ..	.. ..	7 00	8 00	10 50	14 50	18 00	21 00	28 ..	32 00	44 00	75 00	85 00	135 00	200 00
" " " Flanged.....	.. ..	.. ..	8 50	9 75	12 50	17 50	21 50	25 00	32 ..	36 00	49 00	80 00	91 00	145 00	220 00
Throttle Valves, Screwed ..	8 00	10 00	12 00	18 00	24 00	32 00	40 00	48 00	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Foot Valves, Screwed.....	1 50	1 75	2 50	3 25	4 25	5 50	7 50	10 00	.. ..	13 00	24 00	.. ..	.. ..	.. ..	.. ..
Suction Baskets, Screwed.....	.. 40	.. 50	.. 75	1 00	1 50	2 00	3 00	3 75	.. ..	4 75	6 50	.. ..	.. ..	.. ..	.. ..
" " Galvanized ..	.. 50	.. 75	1 00	1 50	2 00	3 00	4 50	6 00	.. ..	7 00	10 00	.. ..	.. ..	.. ..	.. ..

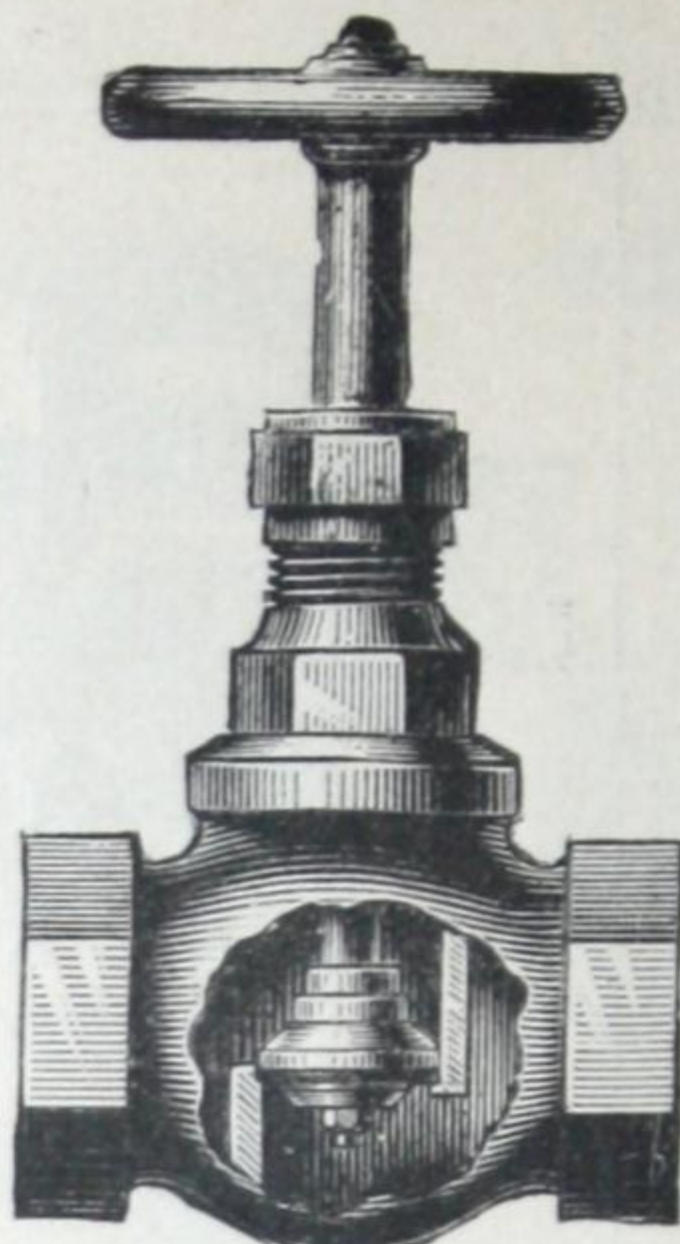


IRON CONSUMERS

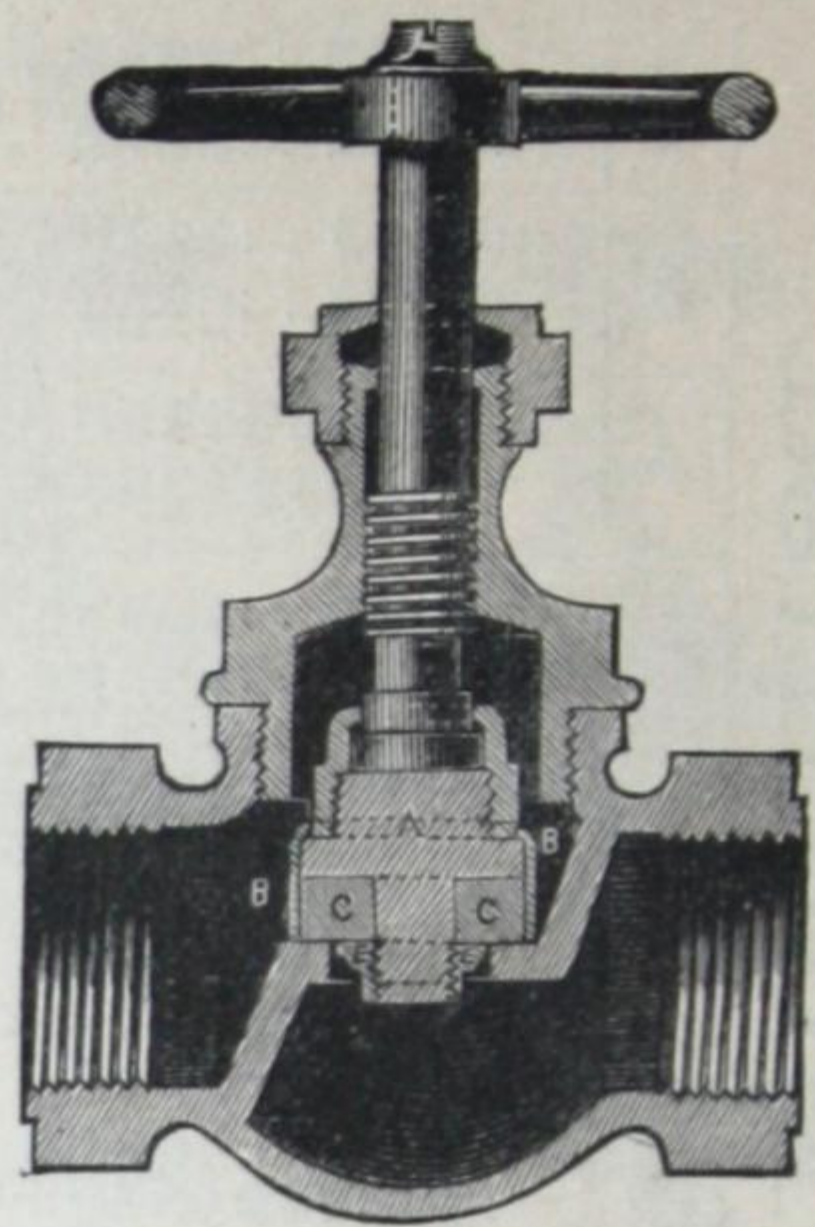
Size.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6 in.
All Iron.....	75	80	90	1 25	1 50	2 00	2 60	4 50	6 50	12 00	16 00	33 00	45 00
" " Brass Washers.....	..	90	1 00	1 40	1 75	2 25	3 00	5 00	7 50	14 00	19 50	39 00	53 00
With Brass Plugs	1 00	1 20	1 60	2 00	2 75	4 00	5 00	9 50	13 50	30 00	40 00	..	..
Flanged Ends, all Iron.....	..	..	..	..	..	..	4 35	6 50	9 50	15 50	20 00	37 00	50 00
" " with Brass Plugs .....	..	..	..	..	..	..	6 75	11 50	16 50	33 50	44 00	..	..
Three-way, all Iron .....	..	..	1 30	1 75	2 00	2 75	4 00	6 00	8 50	15 00	20 00	40 00	55 00
" " with Brass Plugs .....	..	..	2 00	2 50	3 25	4 75	6 50	11 00	15 50	33 00	44 00	..	..
" " Flanged, all Iron .....	..	..	..	..	2 75	3 50	4 35	6 50	9 50	15 50	20 00	37 00	50 00
" " " with Brass Plugs .....	..	..	..	..	4 00	5 50	6 75	11 50	16 50	33 50	44 00	..	..



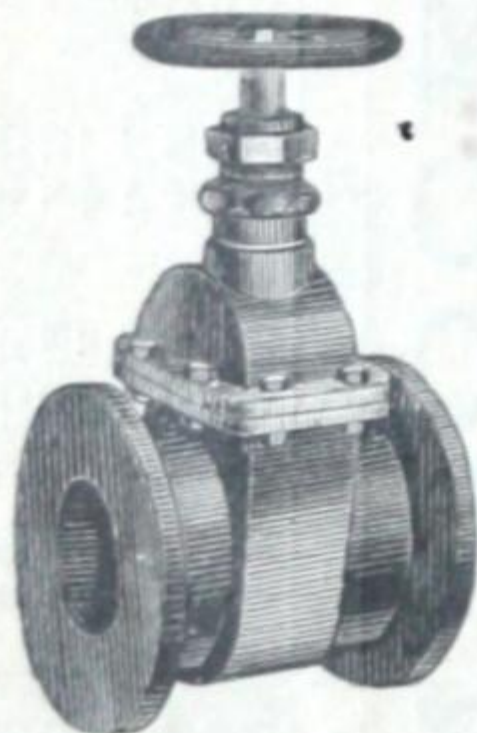
JENKINS VALVE.



FRINK VALVE.



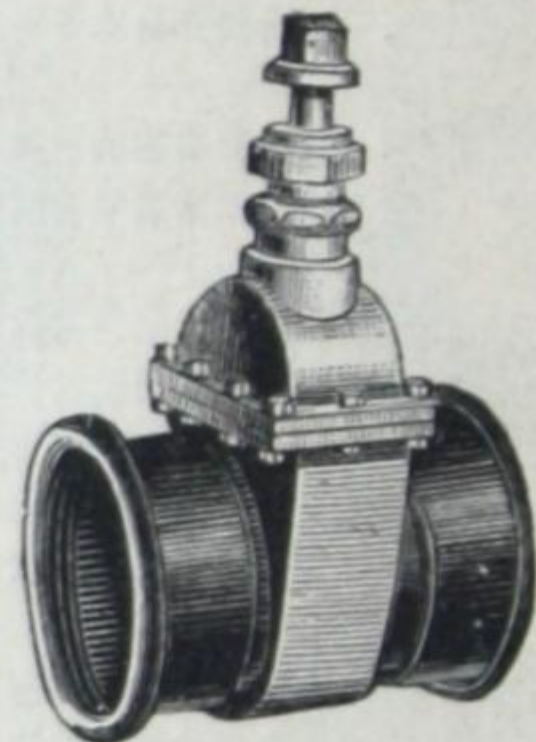
RUSSELL VALVE.



Flanged

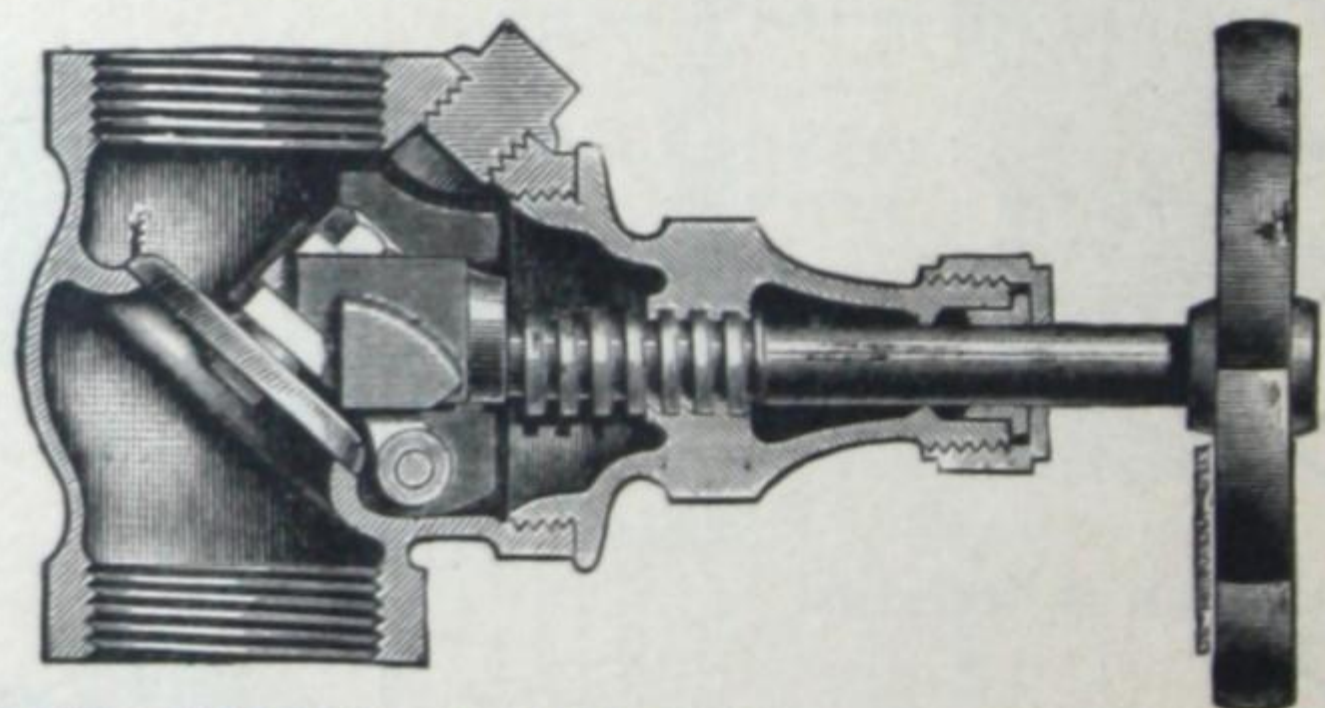
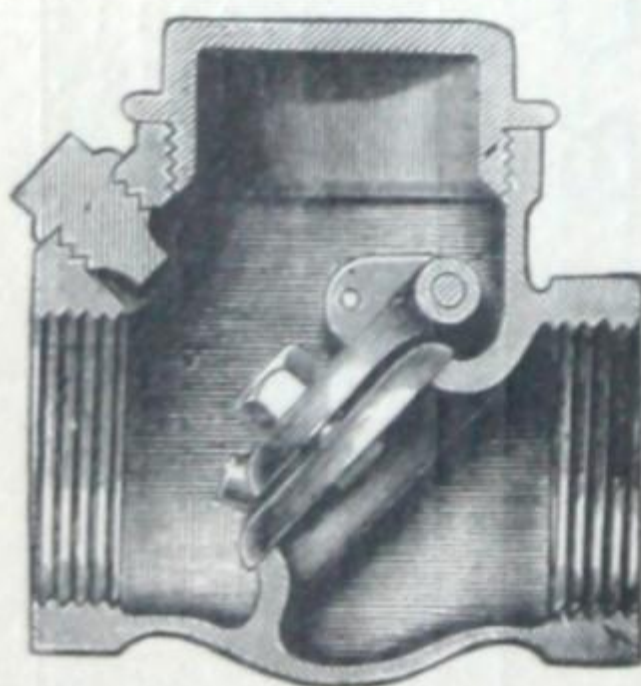


Screwed



Hub Ends

GATE VALVES.



SWING, GATE OR CHECK VALVES.

SIZE.			$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3 in.		
Brass Valves, Screwed			1 15	1 30	1 75	2 15	3 25	4 25	6 25	11 50	16 00		
SIZE.		$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6	7	8	10
Iron Body, Brass Mounted, Screwed Ends, Flanged Ends, Bell or Spigot Ends.		3 25	4 25	6 25	10 00	12 00	16 00	18 00	25 00	32 00	41 00	50 00	65 00

SWING CHECK VALVE, with Jenkins' Seat.

SIZE.	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6 in.
Brass	1 30	1 75	2 50	3 50	4 75	7 50	13 25	20 00				
Iron Body, Screwed							10 00	13 00	16 00	18 00	28 00	38 00
" " Flanged							11 75	15 00	18 00	20 00	30 00	40 00

PATENT SEAT VALVES.

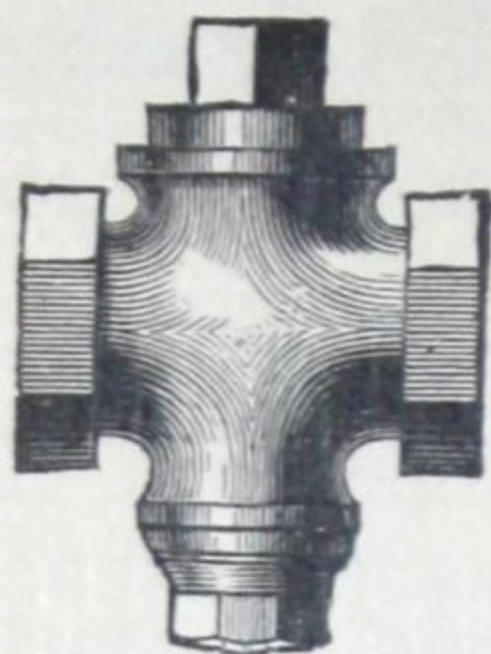
SIZE	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6 in.
Jenkins' Globe and Angle	1 10	1 25	1 60	2 20	2 80	4 00	5 50	8 00	15 75	22 00				
" Check	1 10	1 20	1 50	1 90	2 60	3 60	5 00	7 50	13 50	20 50				
Frink's Globe and Angle	80	1 00	1 25	1 75	2 50	3 35	4 60	7 00	14 00	20 00				
Russell's "	1 70	1 70	2 00	2 30	3 00	4 30	5 50	8 75	16 00	24 00				
" Check			1 50	2 00	2 60	3 50	5 00	7 00	13 50	16 00	19 50	24 00	40 00	48 00
Jenkins' Globe and Angle							5 00	7 25	11 00	18 00	21 50	26 00	42 00	50 00
" Flanged							5 00	8 50	13 00	18 00	21 50	26 00	42 00	50 00
Frink's "					2 40	3 30		6 00	10 00	13 00	18 50	22 00	34 00	45 00
" Flanged							4 25	7 40	11 50	14 50	20 00	24 00	36 00	56 00
Russell's "							5 00		12 00	17 00	20 00	36 00	40 00	53 00
" Flanged									13 00	18 00	22 00	28 00	44 00	56 00
Extra Discs.	4	5	6	7	8	12	16	24	32	40	50	60	80	1 00

GATE OR OPEN WAY VALVES.—Brass.

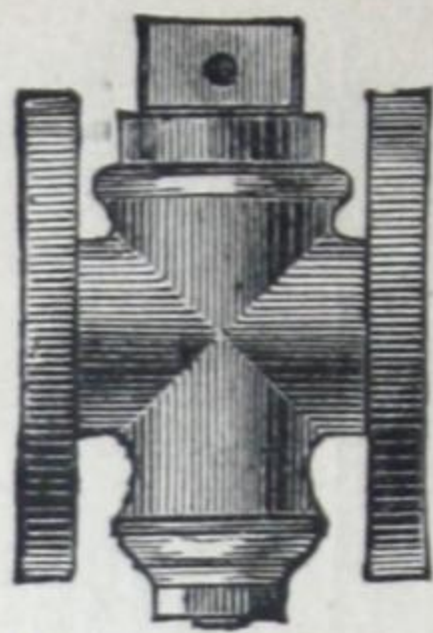
SIZE	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
Chapman—Screwed	1 30	1 75	2 25	3 25	4 25	6 25	11 50	16 00	32 00	40 00
" Flanged	2 50	3 00	4 00	5 00	7 50	10 00	16 00	20 00	40 00	48 00
" Sliding Stem and Lever (extra)	1 00	1 20	1 40	1 60	1 80	2 00	2 25	2 50	2 75	3 00
Jenkins'—Screwed	1 50	2 00	2 85	4 00	5 00	7 50	14 00	20 00		
Ludlow—Screwed	1 25	1 65	2 15	3 15	4 25	6 25	11 50	16 00		
" Flanged						11 50	18 00	22 00	31 00	43 00
" Sliding Stem and Lever (extra)	1 00	1 00	1 00	1 00	1 00	1 00	1 25	1 25		
Kennedy—Screwed	1 20	1 75	2 50	3 50	5 00	7 50	15 00	22 00		
" Flanged						12 00	22 00	26 00		

Iron Body, Brass Mounted.

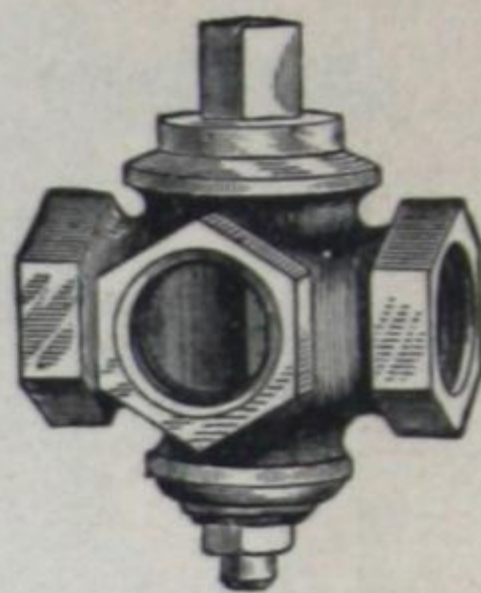
SIZE	2 1/2	3	3 1/2	4	4 1/2	5	6	7	8	10	12
Chapman—Screwed	10 00	13 00	16 50	18 00		25 00	32 00	38 00	48 00		
" Flanged	10 00	13 00	17 00	18 50		24 00	31 00	37 00	45 00	64 80	86 00
" Hub Ends		15 00		19 00		25 00	30 00	36 00	42 00	60 00	80 00
Jenkins'—Screwed	12 00	15 00	18 00	21 00		30 00	36 00	50 00	62 00	85 00	120 00
" Flanged	13 00	16 00	19 00	22 50		32 00	38 00	50 00	62 00	85 00	120 00
Ludlow—Single Gate, Screwed	9 30	11 50	15 25	16 75		24 00	28 50	36 00	41 50		
" Flanged	9 50	12 00	15 75	17 25		23 50	28 00	35 00	40 00	53 00	67 00
" Hub Ends	9 50	13 00	15 00	16 00		23 00	26 00	34 00	39 00	52 00	65 00
" Double Gate, Screwed		15 00	16 50	19 50		25 00	32 50	38 00	48 00		
" Flanged		15 50	17 00	20 00		24 50	32 00	37 00	47 00	66 00	88 00
" Hub Ends		14 50	16 00	19 00		24 00	30 50	37 00	45 00	63 00	83 00
Kennedy—Screwed, Flanged or Hub Ends	12 00	15 00	18 00	20 00		25 00	30 00	40 00	50 00	65 00	90 00



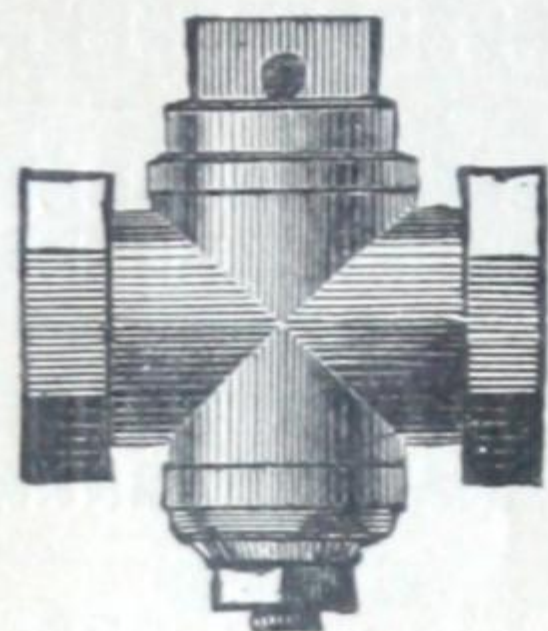
Straight Cock.



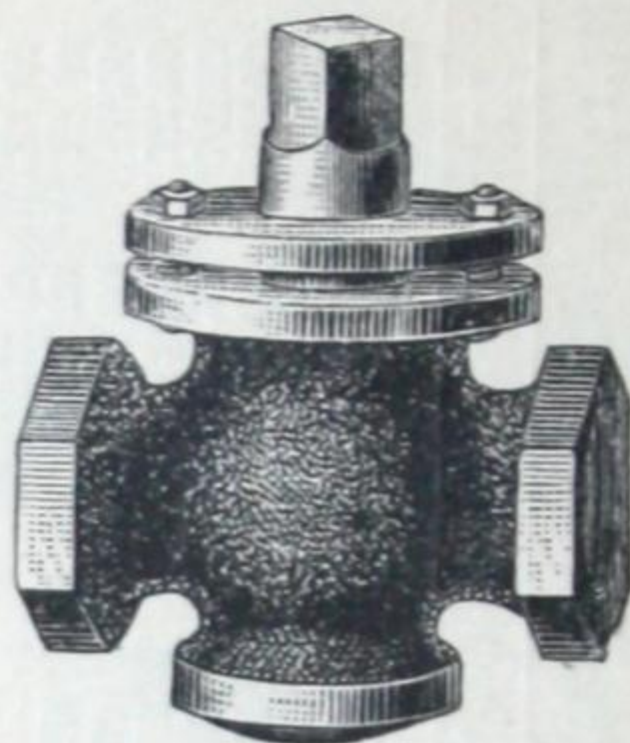
Flanged Cock.



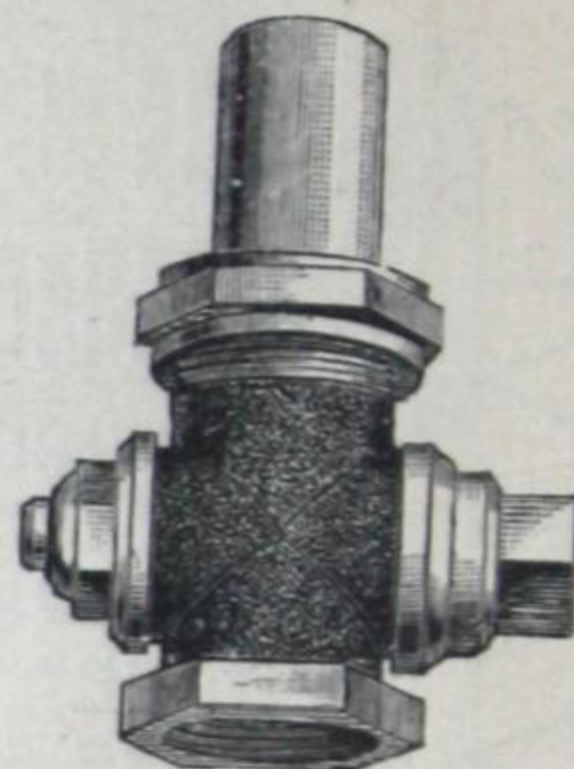
Threeway Cock.



Gas Service Cock.



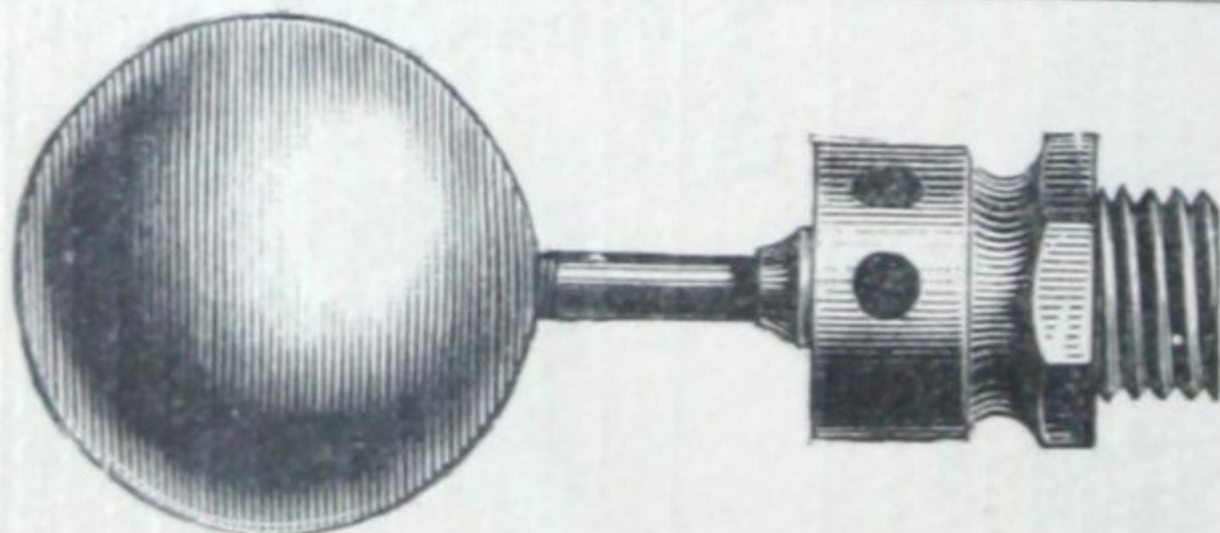
Packed Plug Cock.



Union Meter Cock.

BRASS COCKS.

Size	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4 in.
Steam Cocks,	70	75	1 10	1 50	2 25	3 75	4 80	7 25	14 00	20 00	36 00	50 00
“ “ Heavy,	80	95	1 30	1 90	2 75	5 00	6 00	9 00	17 00	25 00		
“ “ Flanged,			3 50	4 50	5 50	8 00	10 00	15 00	22 00	32 00	53 00	75 00
“ “ Threeway,			1 65	2 25	3 40	5 50	7 00	10 00	18 00	26 00		
“ “ Packed Plug,		1 50	2 00	3 00	4 00	6 00	8 00	14 00	28 00	40 00		
Service “	55	65	75	1 00	1 40	2 20	3 00	5 00	10 00	15 00		
Union Meter Cocks,		75	1 00	1 30	2 00	3 00	4 25	6 75	9 00	14 00		
Meter Cocks,		40	85	1 25	1 50	2 50						
Hose Cock,						7 00	9 00	13 00	20 00			



LOW PRESSURE SAFETY VALVE.



VACUUM VALVE.

Size	3/4	1	1 1/4	1 1/2	2 in
Low Pressure Safety Valves,	2 50	3 00	4 00	5 00	8 00
Vacuum Valves, for 3/8 or 1/2 inch Pipe, per dozen					12 00
“ “ “ with Flexible Seats, “					15 00

DAVIS AIR VALVES.

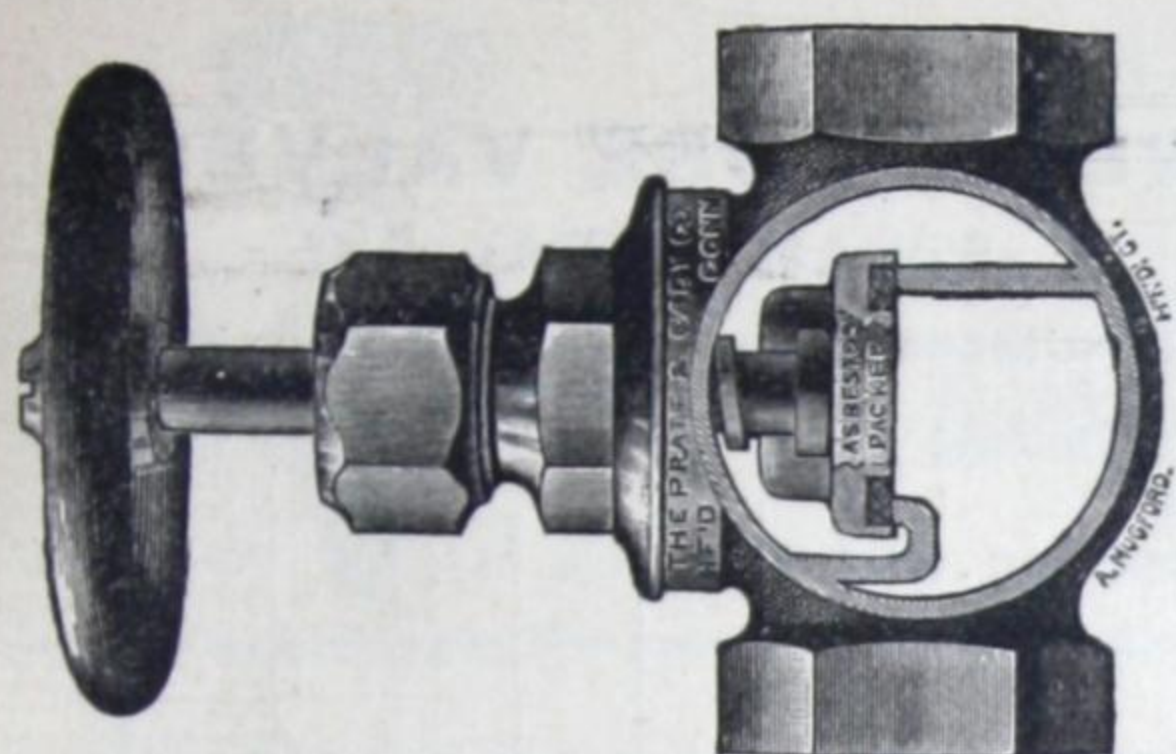
Brass Finished, No. 1 and 2..per doz.	13 50	Nickel Plated..per doz.	15 00
“ “ “ 3 and 4.. “	15 00	“ “ “ “	17 00
“ “ “ 5 and 6.. “	17 00	“ “ “ “	19 00

BRECKENRIDGE'S AIR VALVES.

Iron, Plain	each \$1 00
Brass, with Elbow on side, Nickel Plated	“ 1 50

MARSH AIR VALVES.

Finished, Brass, No. 1, each	\$1 15.	No. 2, 3, 4, A & B, each	\$1 25
Nickel Plated, “ “	1 30.	“ “ “ “ “ “	1 40



VULCANIZED ASBESTOS DISC.

Globe or Angle Valves.

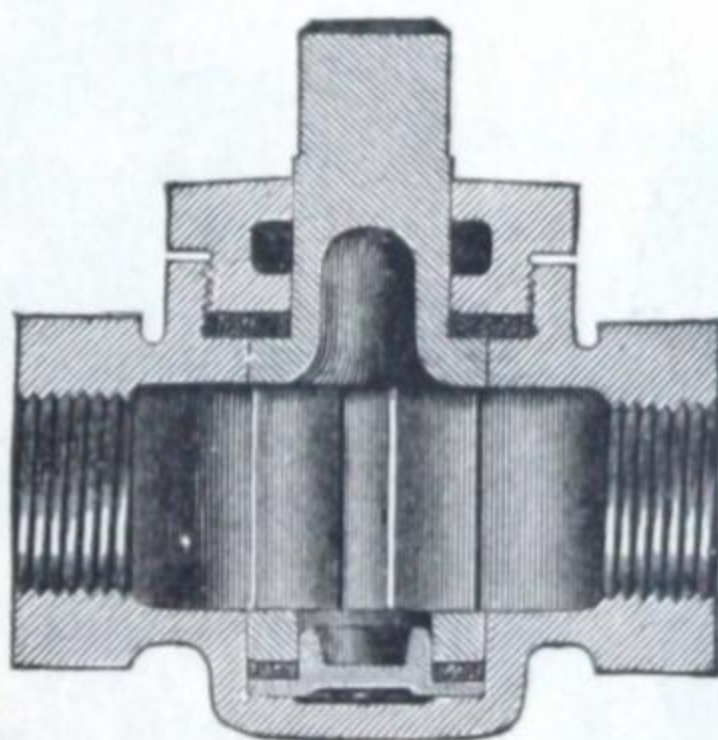
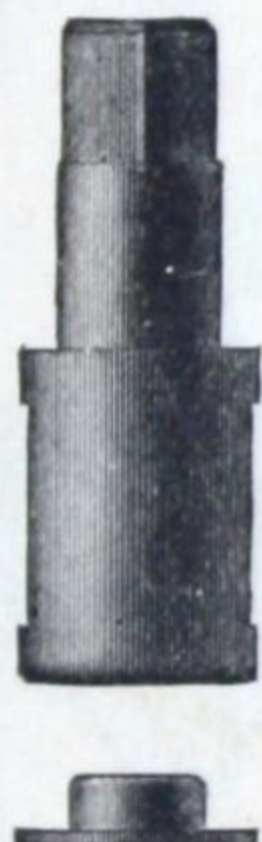
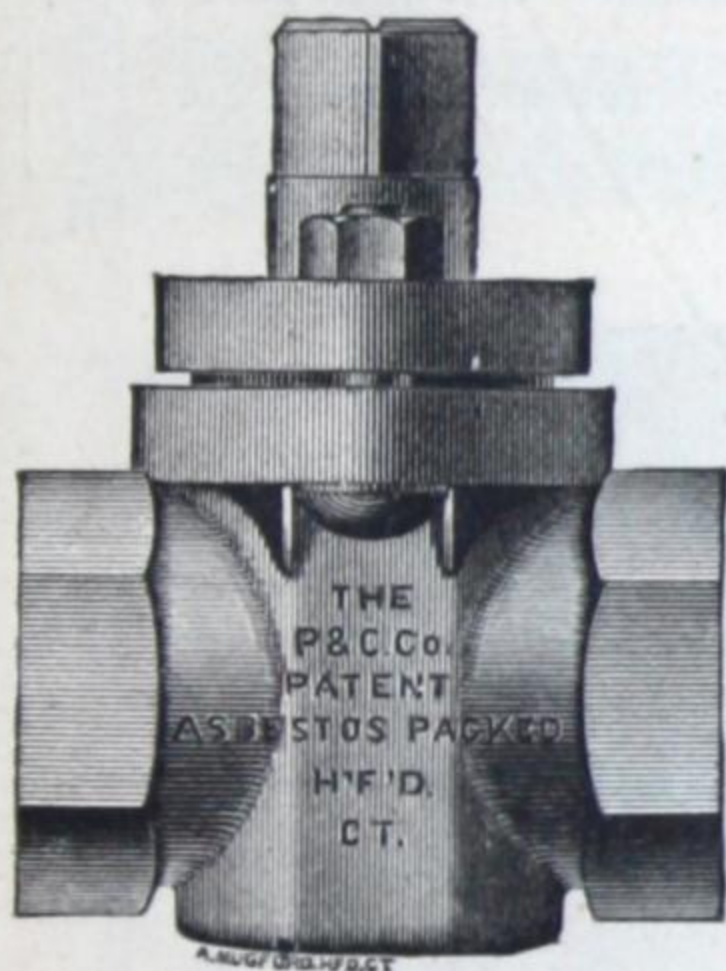
Price List of Brass Valves.

1/4 in.	3/8 in.	1/2 in.	3/4 in.	1 in.	1 1/4 in.	1 1/2 in.	2 in.
1 10	1 25	1 60	2 20	2 80	4 00	5 50	8 00

ASBESTOS PACKED COCKS,

For Steam, Water, Gas, etc.

The Only Cock that will keep tight under all circumstances. As the plugs only come in contact with Asbestos, they never cut or grind.

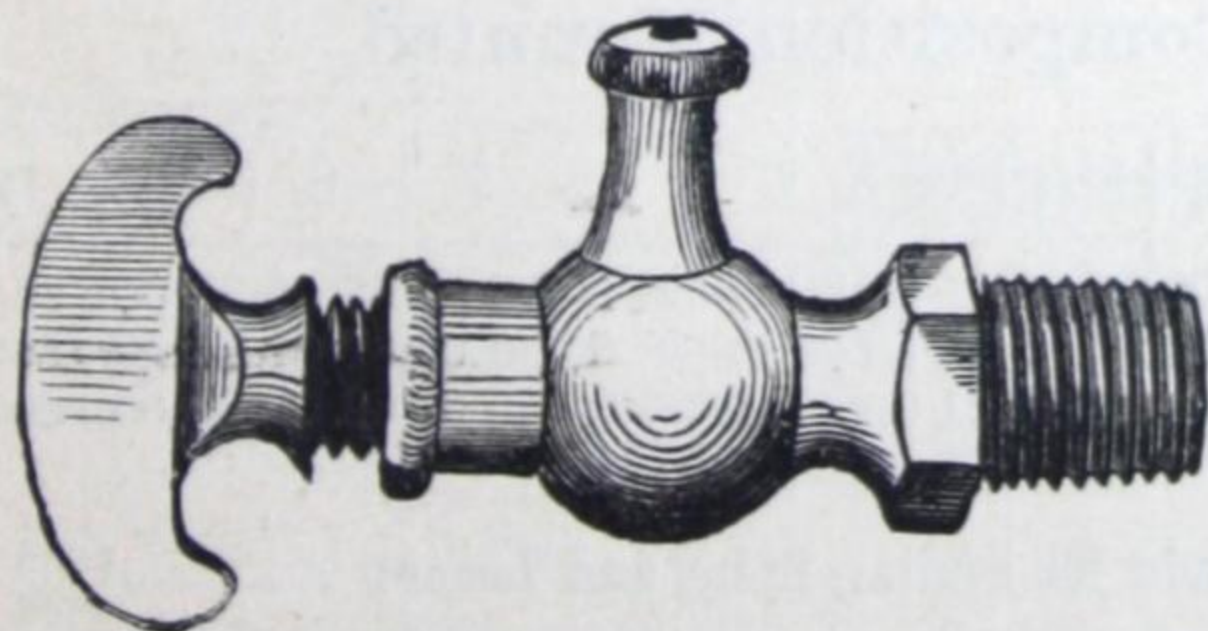


All Iron, Barffed Plugs.

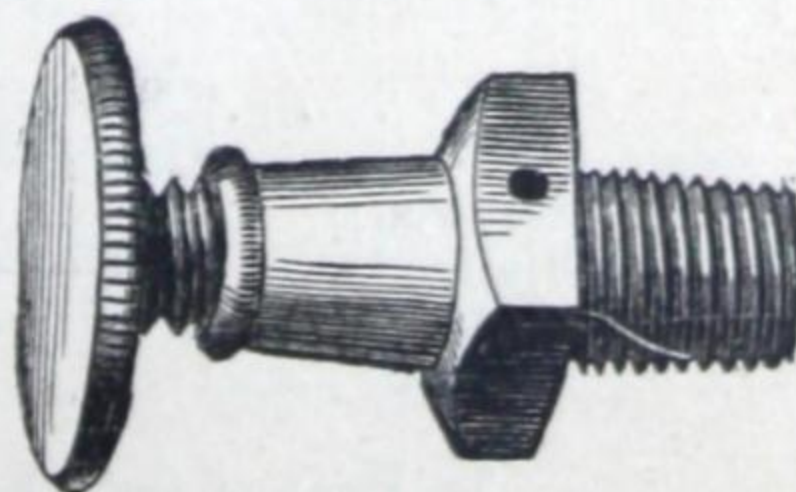
Brass, Steam Metal.

1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	1/2	3/4	1	1 1/4	1 1/2	2
1 30	1 45	1 60	2 10	2 50	3 50	4 75	7 00	12 00	18 00	30 00	2 50	3 15	4 20	6 00	7 75	12 00

COMPRESSION AIR VALVES.

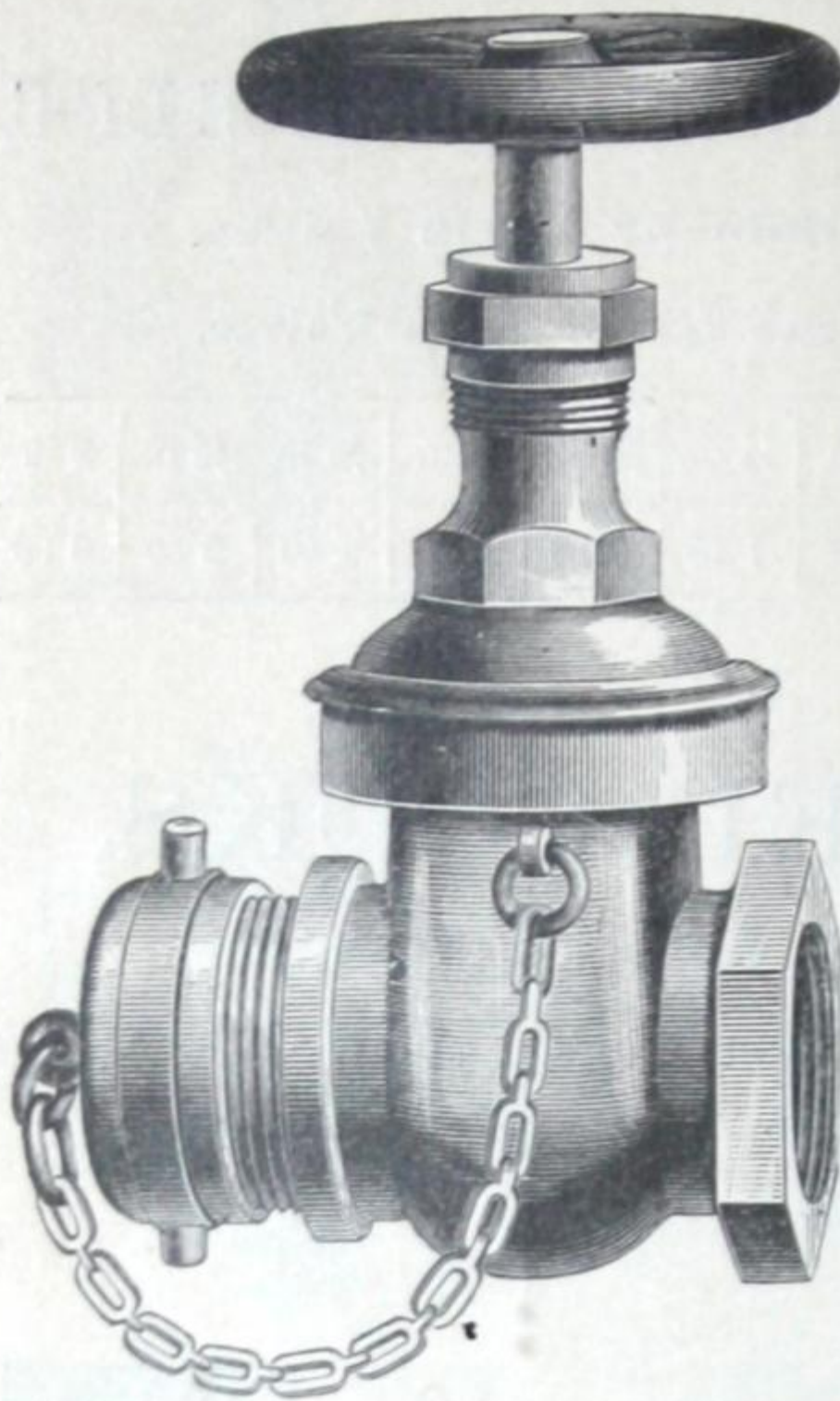


No. 1.



No. 2.

No. 1, for 1/8 or 1/4 in. pipe, per doz.	\$6 00	No. 1, Nickel Plated, per doz.	\$9 00
No. 2, " 1/8 and 1/4 in. pipe, " "	4 00	No. 2, " " " "	6 00



FIRE Or HOSE VALVES.

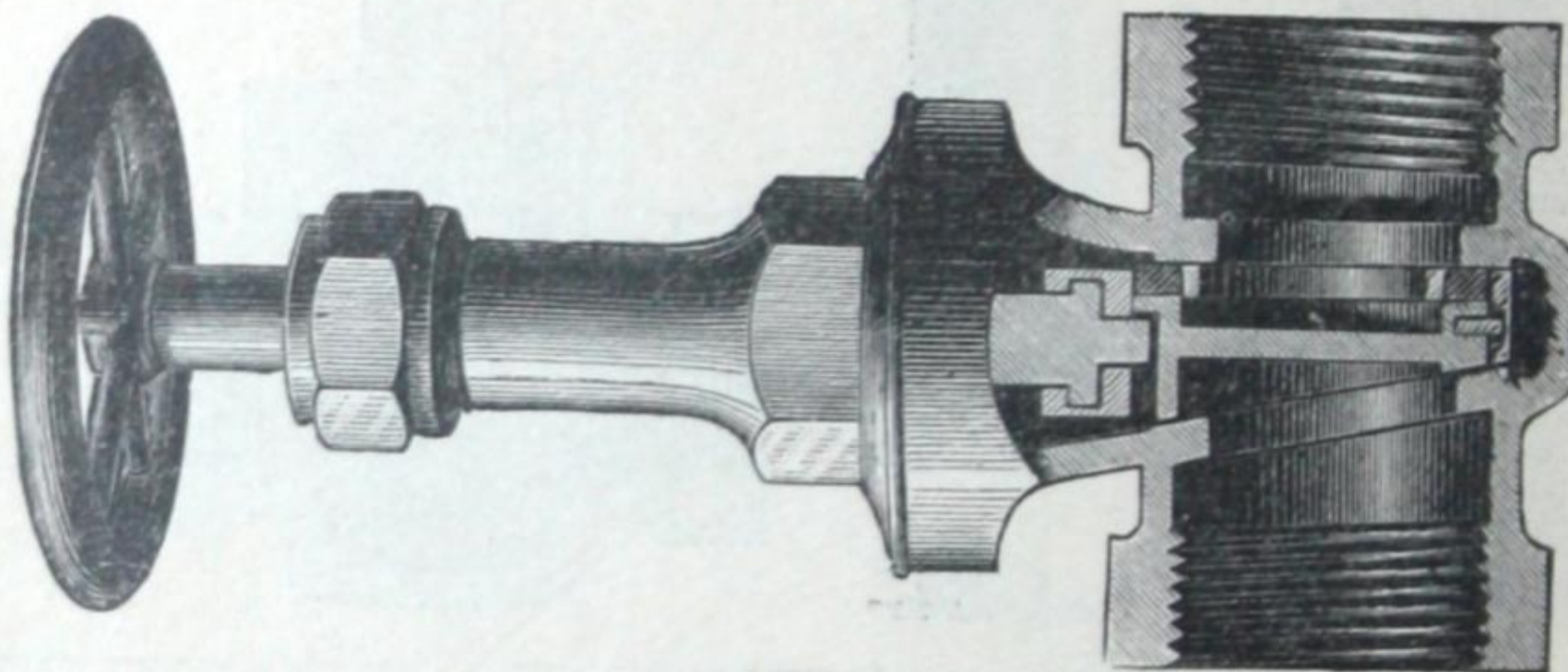
STEAM METAL.

With or without Cap and Chain for Hose End.

Diameter opening ..inches	1	1 1/4	1 1/2	2	2 1/2	3
Without Cap or Chain....	2 50	3 50	5 00	7 50	14 00	20 00
Finished Brass Cap and Chain.....	1 25	1 35	1 50	1 75	2 50	3 50

These Valves have one male end to fit Hose Couplings, and one female end to fit Standard Wrought Iron Pipe.

For Prices of Linen Fire Hose, see page 30.



JENKINS' PATENT GATE VALVES.

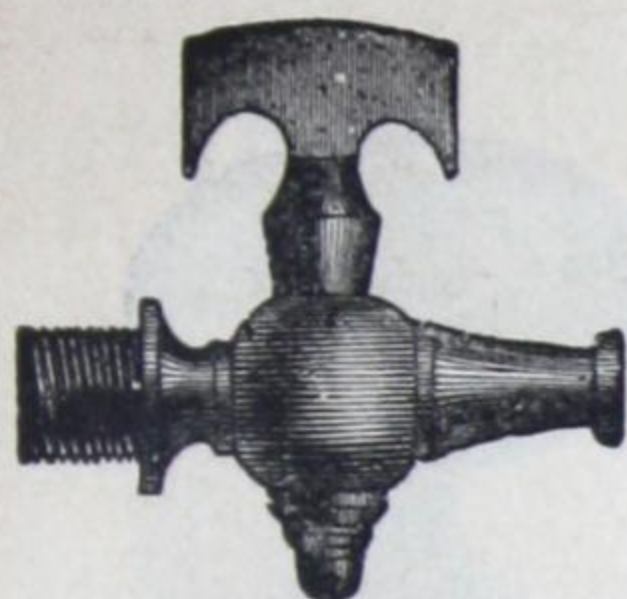
Size,	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Gate Valves, Brass, Flg'd	1 50	2 00	2 85	4 00	5 00	7 50	2 00	20 00
" " " " " "	3 00	4 00	5 00	7 00	9 50	13 50	4 00	28 00

IRON BODY, Composition Mounted.

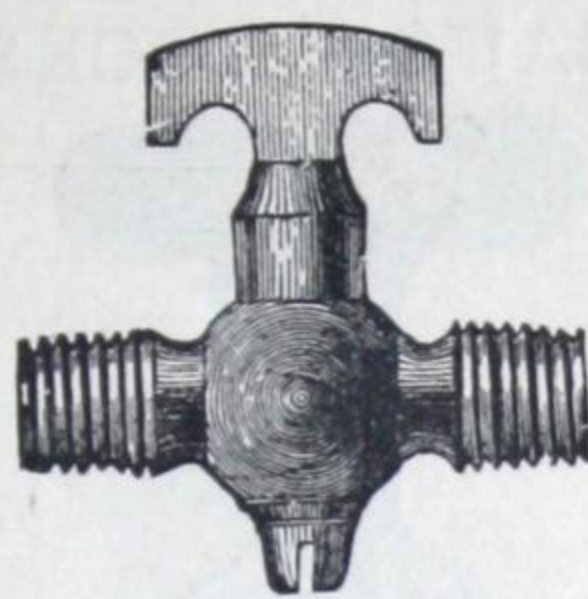
Size,	2	2 1/2	3	3 1/2	4	5	6	7	8	10	12
Gate Valves, Screwed,	8 00	12 00	15 00	18 00	21 00	30 00	36 00	50 00	62 00	85 00	120 00
" " Flanged,	9 00	13 00	16 00	19 00	22 50	32 00	38 00	50 00	62 00	85 00	120 00
Hub or Spigot-Gate Valves,	9 00	12 00	15 00	18 00	21 00	30 00	36 00	50 00	62 00	85 00	120 00

To Price of Gate Valves add for Sliding Stem and Lever:

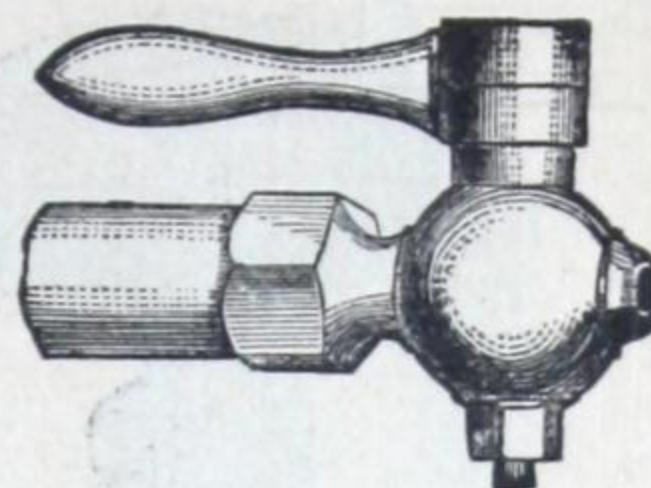
Size,	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
Sliding Stem and Lever extra	1 00	1 00	1 50	1 60	2 00	2 50	3 00	3 50	4 00	4 50



Air Cock, Single Thread.

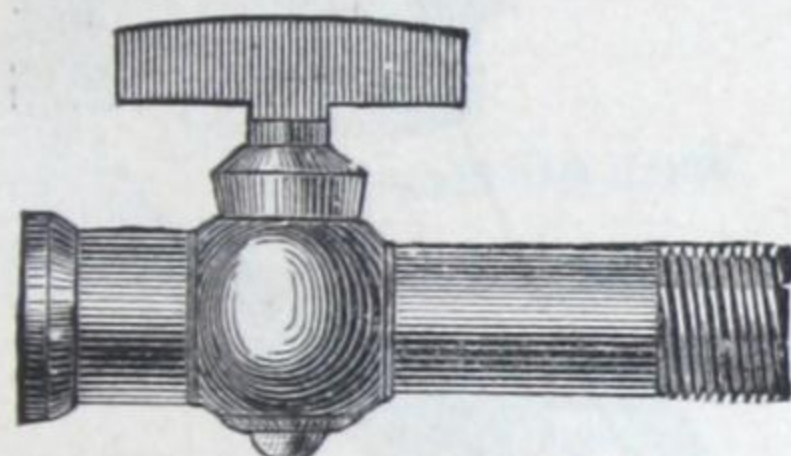


Air Cock, Double Thread.

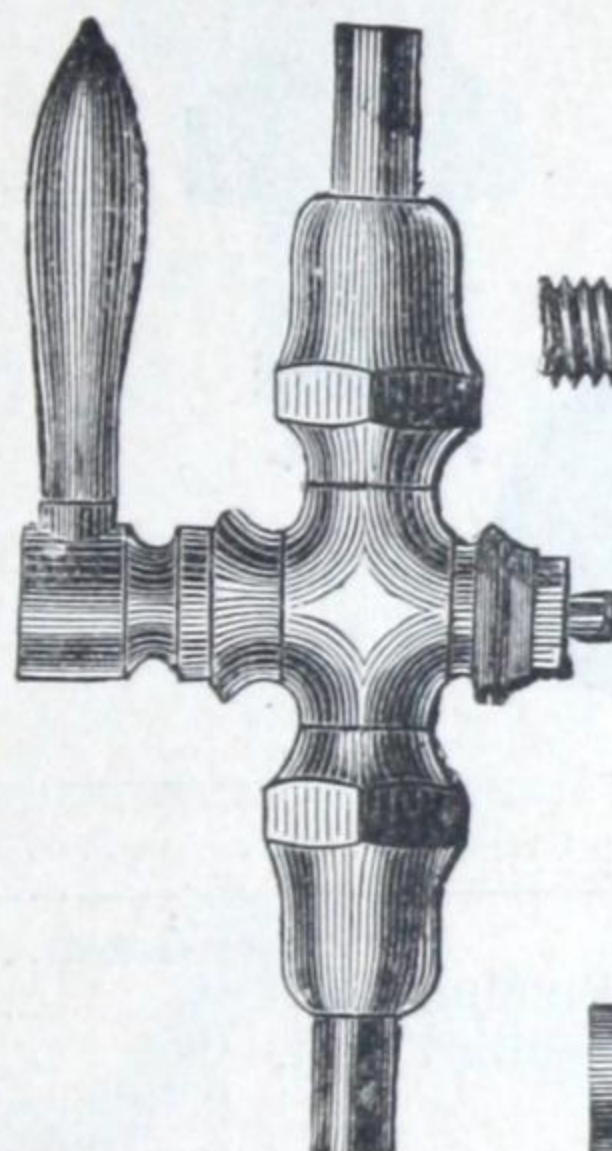


Cylinder Cock, Lever Handle.

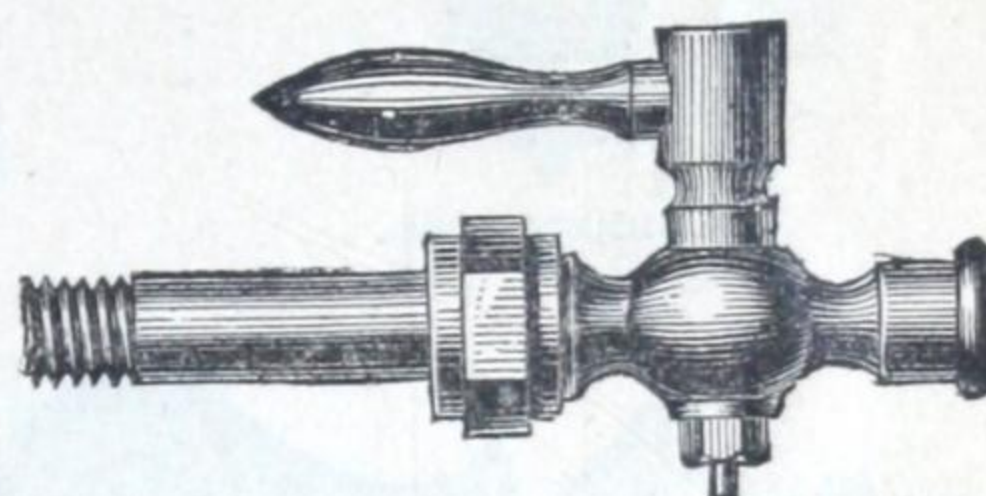
Size.....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$ in.
Air Cocks, Single Threads, per dozen.....	\$5 00	\$5 50	\$7 50	\$10 00
“ “ Bibb Nozzle “	7 80	8 40	12 00	15 00
“ “ Double Thread “	5 40	6 00	9 00	12 00
Cylinder Cocks, Lever or T. Handle.....		10 00	12 00	15 00



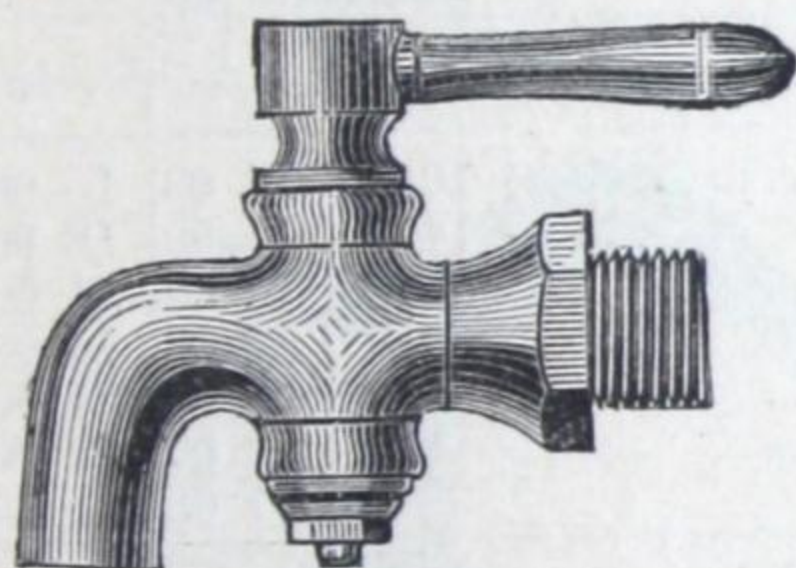
Steam Gauge Cock.
Plain, per dozen.....\$7 00



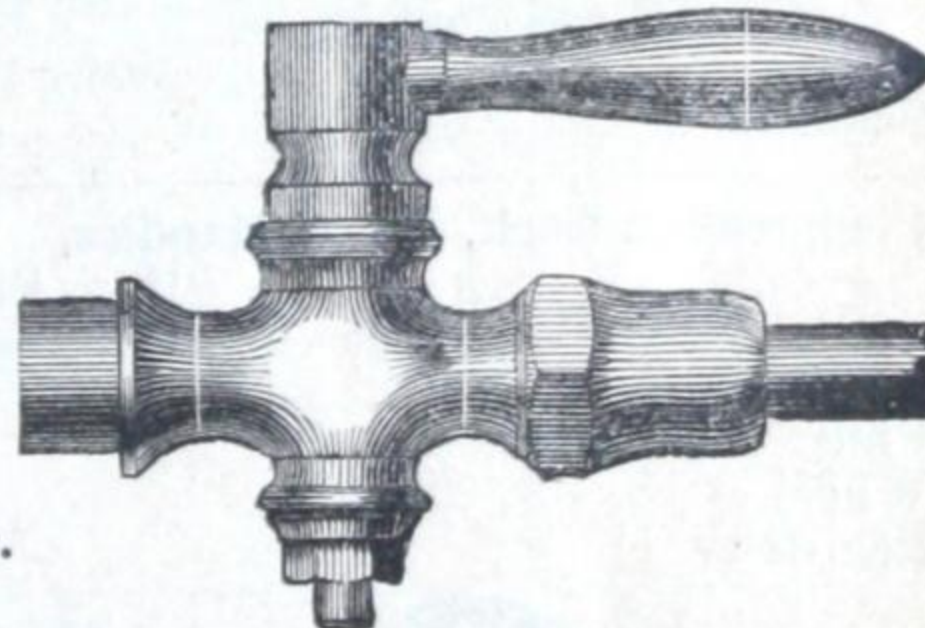
Steam Stop,
Double Coupling.



Steam Gauge Cock.
With Coupling.....\$15 00



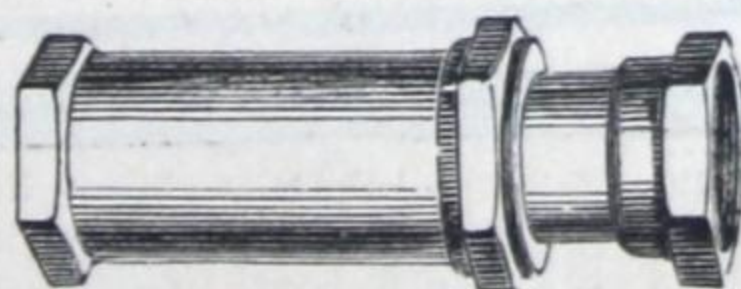
Steam Bibb.



Steam Stop, Single Coupling.

STEAM BIBBS AND STOPS.

Size.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1 in.
Bibbs, Finished.....per dozen	15 00	18 00	24 00	27 00	36 00	54 00
“ Rough.....“	12 00	15 00	18 00	21 00	30 00	42 00
Stops, Single Coupling, Finished....“	21 00	27 00	36 00	42 00	51 00	72 00
“ “ “ Rough.....“	18 00	21 00	24 00	30 00	42 00	60 00
“ Double “ Finished....“	24 00	30 00	39 00	46 00	56 00	84 00
“ “ “ Rough.....“	21 00	24 00	30 00	36 00	48 00	72 00



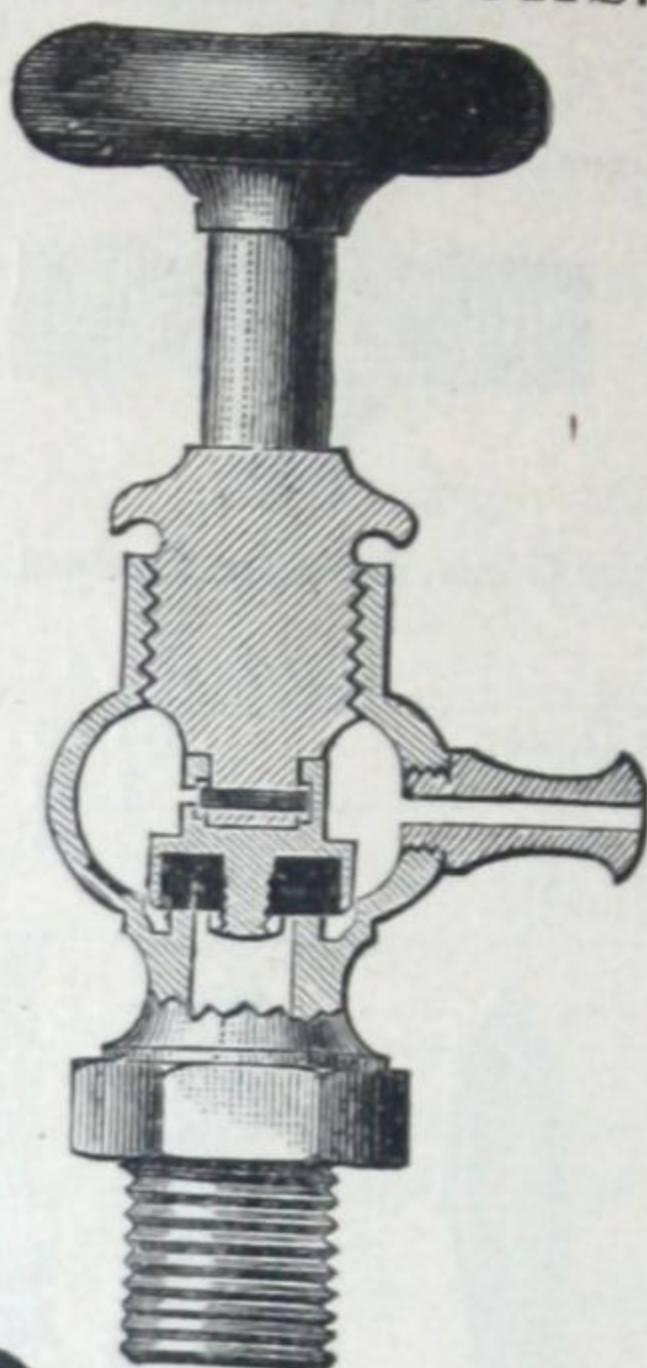
EXPANSION AND SWING JOINTS.

Size.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6	8
Brass.....		1 50	2 00	2 75	4 00	5 50	8 00	16 00	24 00					
Iron Body, Screwed..							11 00	13 00	17 00	25 00	30 00	45 00	55 00	100 00
“ “ Flanged..							18 00	20 00	25 00	35 00	40 00	55 00	65 00	110 00
Steam Swing Joint...	1 00	1 50	2 00	3 00	4 00	6 00	10 00							

GAUGE COCKS.



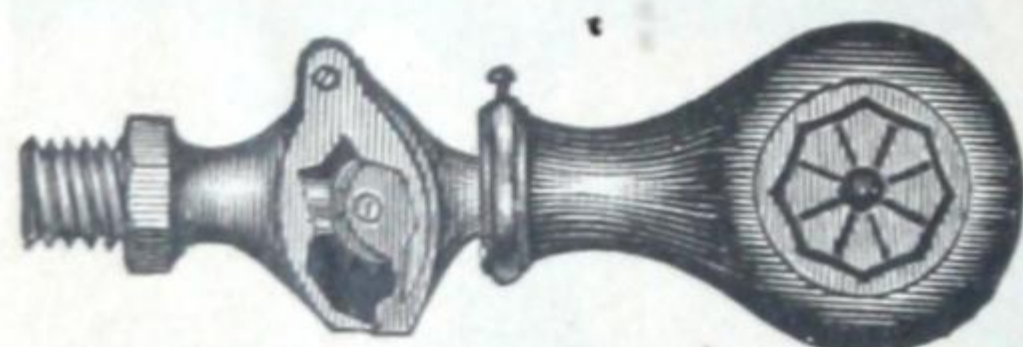
Compression.



Jenkins.



With Stuffing Nut.



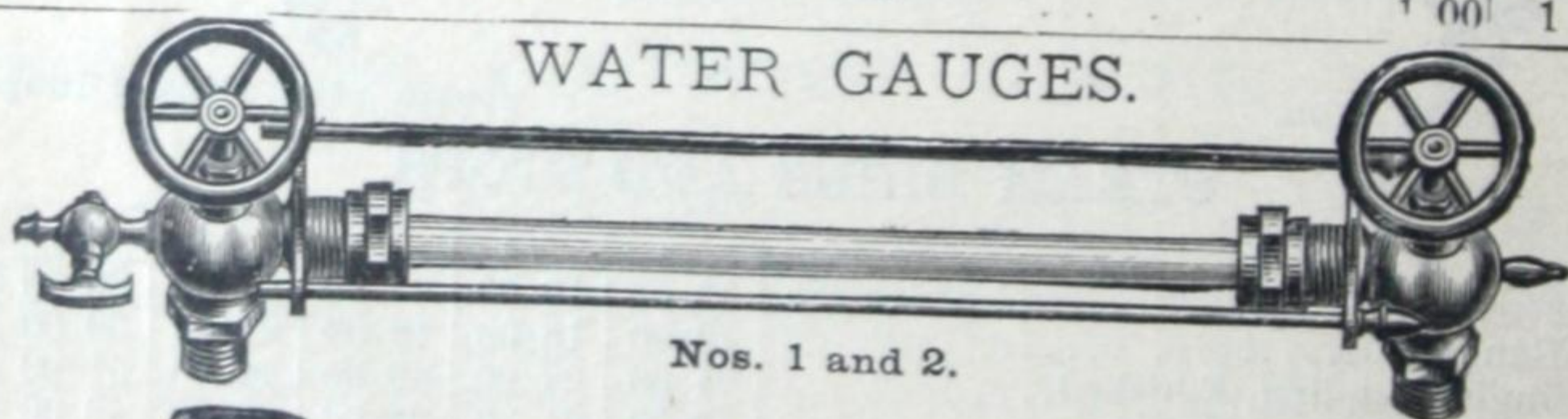
"The Wheel."



"Register's."

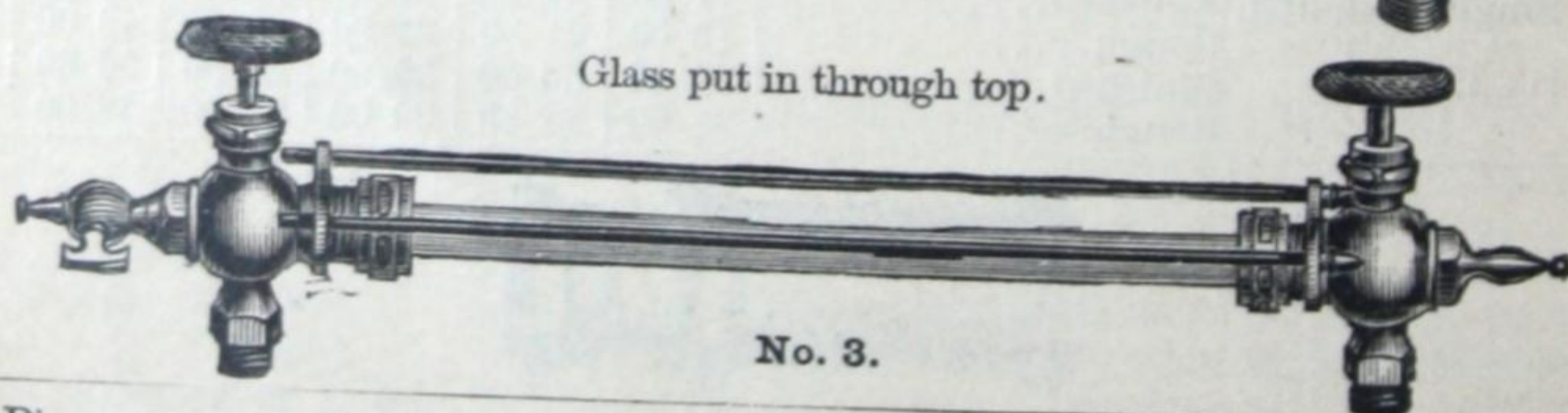
Size	3/8	1/2	3/4 in.
Compression Cock, Wood Handles, per dozen.....	10 50	12 00	15 00
" " " " Stuffing Nut, "	14 00	15 00	18 00
" " " " Jenkins' Seat, "	15 00	18 00	21 00
Mississippi Plug	9 00	12 00	15 00
Wheel		20 00	27 00
Register	1 00	1 00	1 00
	1 00	1 00	1 00

WATER GAUGES.



Nos. 1 and 2.

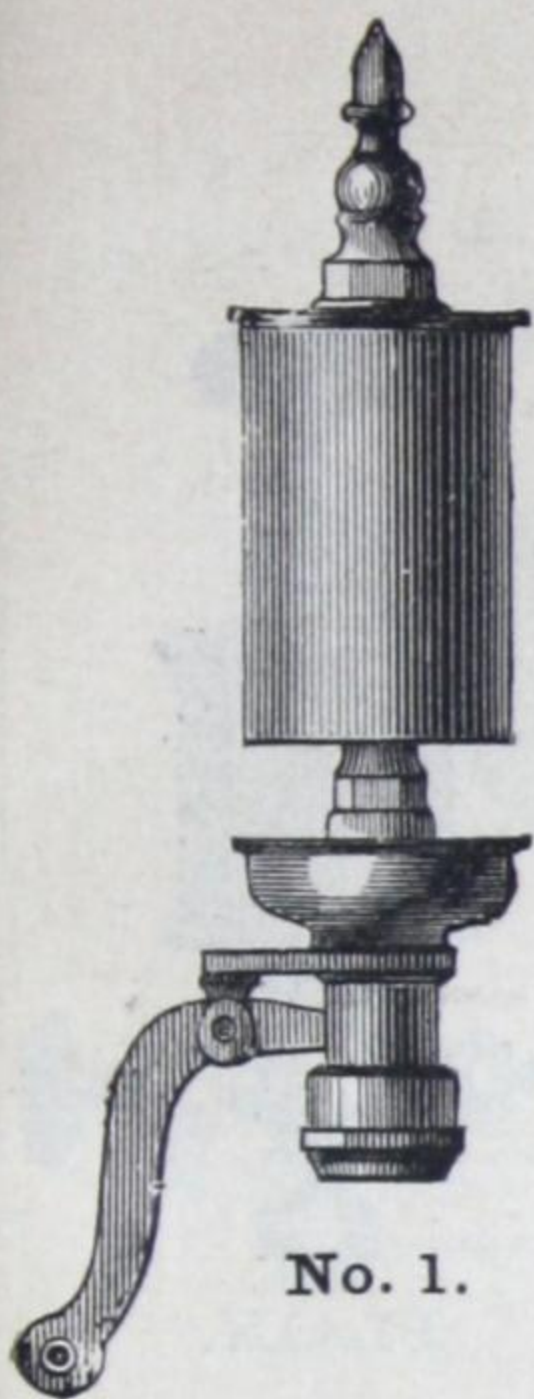
Glass put in through top.



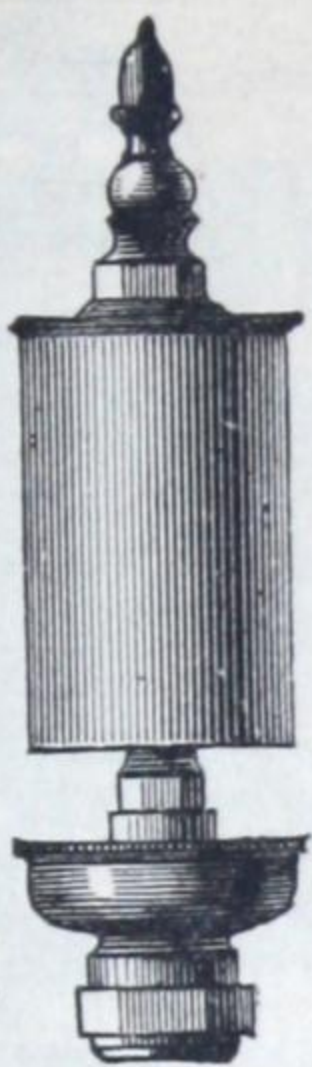
No. 3.

Size of Pipe	3/8	1/2	3/4 in.
No. 1, Rough Body, Iron Wheels, each	2 00	3 00	
" 2, Finished "	3 00	4 00	6 00
" 3, " " Wood " "	4 00	5 00	7 00
" " " Brass " "		9 00	14 00
" " " Wood " "	6 00	8 00	12 00

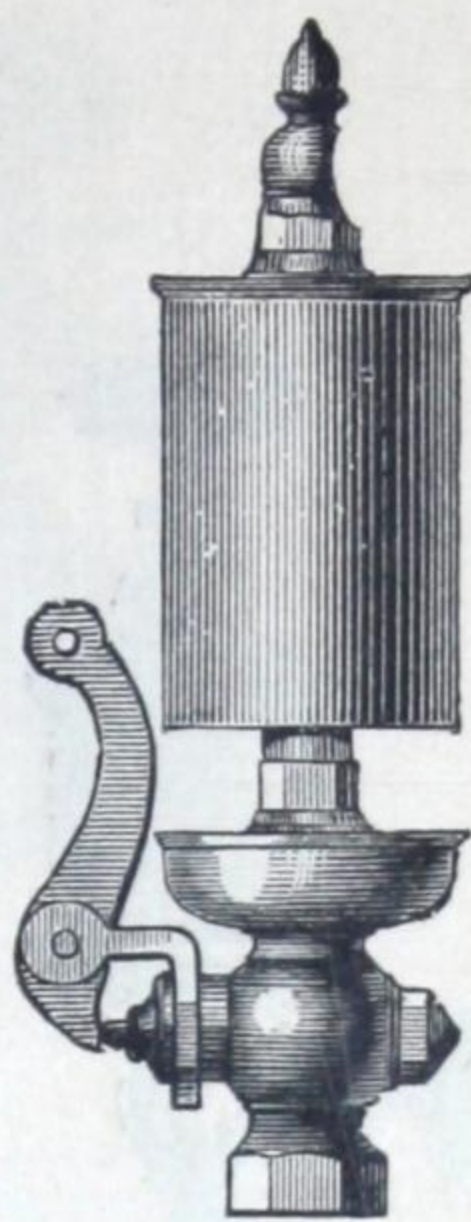
LOCOMOTIVE AND STEAMSHIP GAUGES.



No. 1.



No. 2.

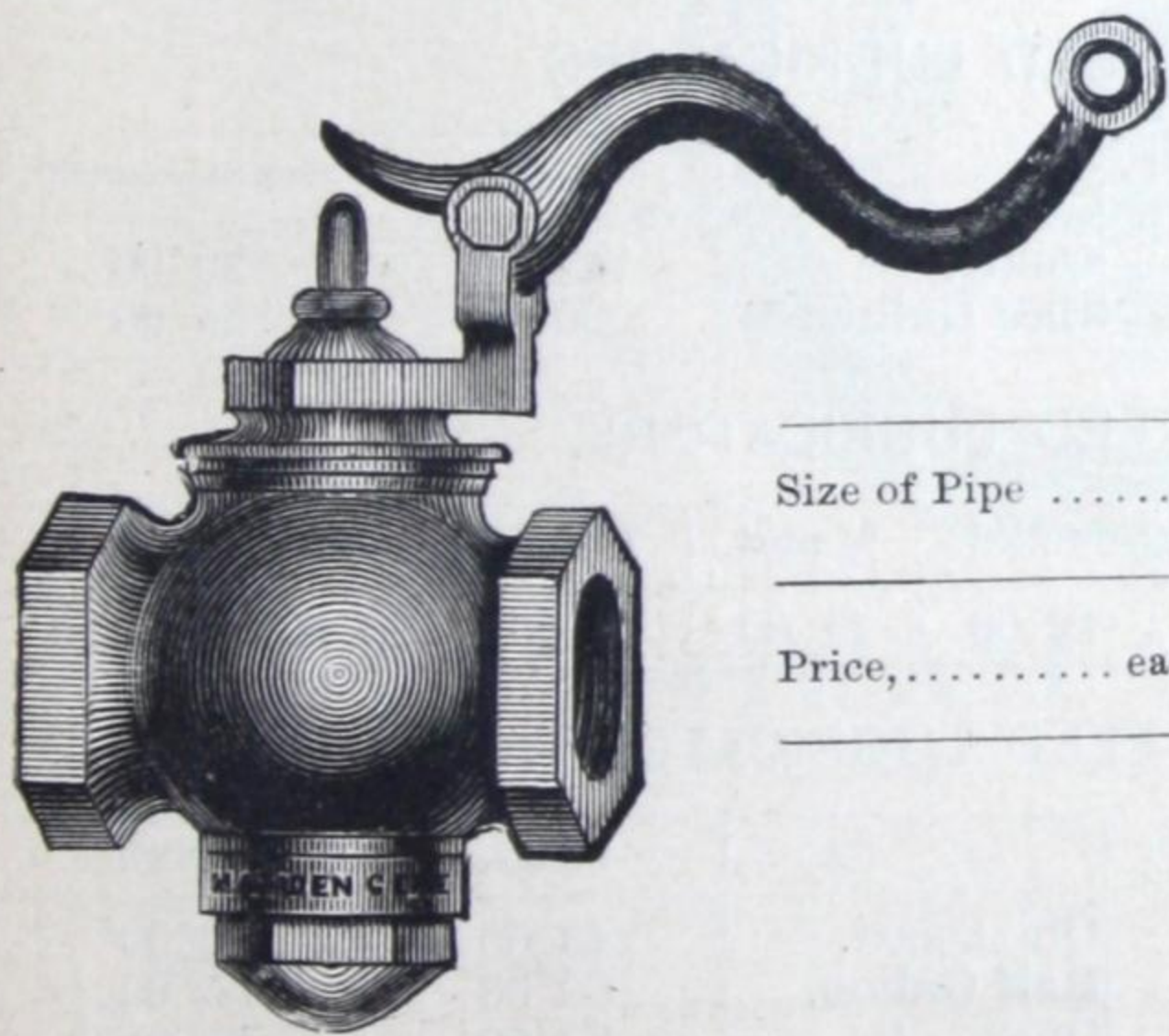


No. 3.

STEAM WHISTLES.

Diameter of Bell.....	1	1½	2	2½	3	3½	4	5	6	8 in.
No. 1, without Valve,.....	1 70	2 00	3 25	4 50	6 00	8 00	11 00	18 00	24 00	65 00
No. 2, with Lever Valve,	3 50	4 00	4 75	6 00	8 00	10 00	14 00	22 00	30 00	80 90
No. 3, " Spring "	4 00	4 50	5 50	7 25	9 00	11 50	15 50	24 00	32 00	90 00

Whistle Chimes,—any number and sizes of Bells to order. Prices special.



WHISTLE VALVES.

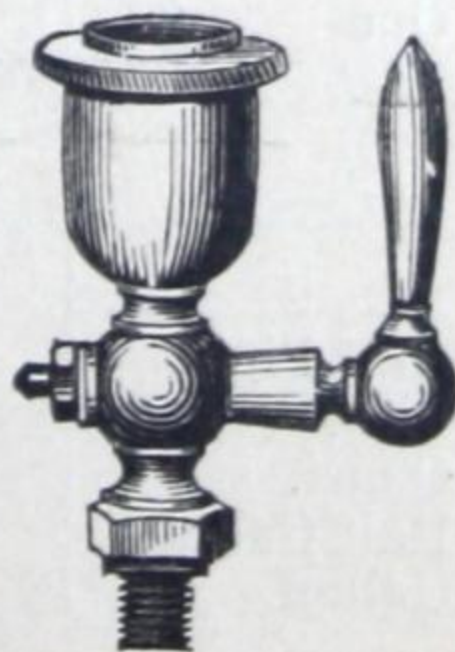
Size of Pipe	½	¾	1	1¼	1½	2	2½	3 in.
Price,..... each	2 25	2 75	3 25	4 00	5 50	9 50	20 00	30 00

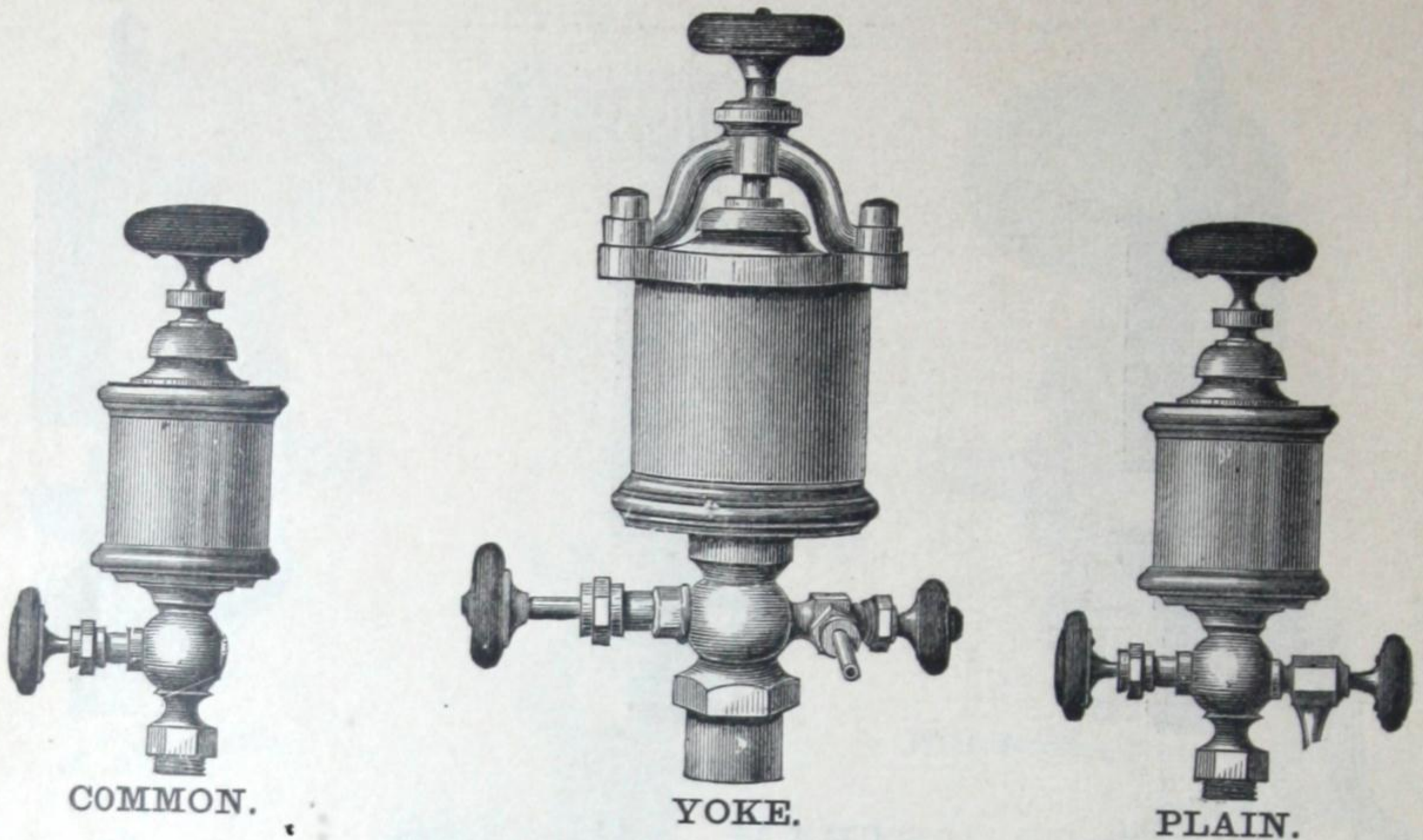
OIL CUPS.



Diameter of Bowl, .....inch	1¼	1½	1¾	2	2¼
Single Cock, Lever Handle, per doz.	19 00	26 50	33 00	39 00	48 00
" " Tee " " "	18 00	24 00	30 00	36 00	43 00

Diam. of Bowl, in.	¾	¾	1	1¼	1½	1¾	2	2¼	2½	3
Plain, ... per doz.	4 00	4 00	5 00	7 00	11 00	21 00	21 00	27 00	33 00	42 00
Fancy Top, "	6 00	6 00	9 00	15 00	18 00	24 00	36 00	42 00	48 00	51 00





LUBRICATORS.

Diameter of Bowl.....	1	1 ¹ / ₄	1 ¹ / ₂	1 ³ / ₄	2	2 ¹ / ₄	2 ¹ / ₂	3	4	5	7
Common, Wood Handles	2 00	2 25	2 50	2 75	3 00	4 00	5 00	6 00	8 00		
Nathan & Dryfuss, Plain	3 50		5 00	7 00	9 00		10 50	14 00	21 00		
“ “ with Yoke								16 00	24 00	33 00	42 00

DETROIT SIGHT-FEED LUBRICATORS.

	PLAIN.	NICKEL PLATED.		PLAIN.	NICKEL PLATED.
Half Pint,	22 00	25 00	Quart,	45 00	50 00
Pint,	30 00	35 00	Half Gallon,	60 00	65 00

HANDY SIGHT-FEED LUBRICATORS.

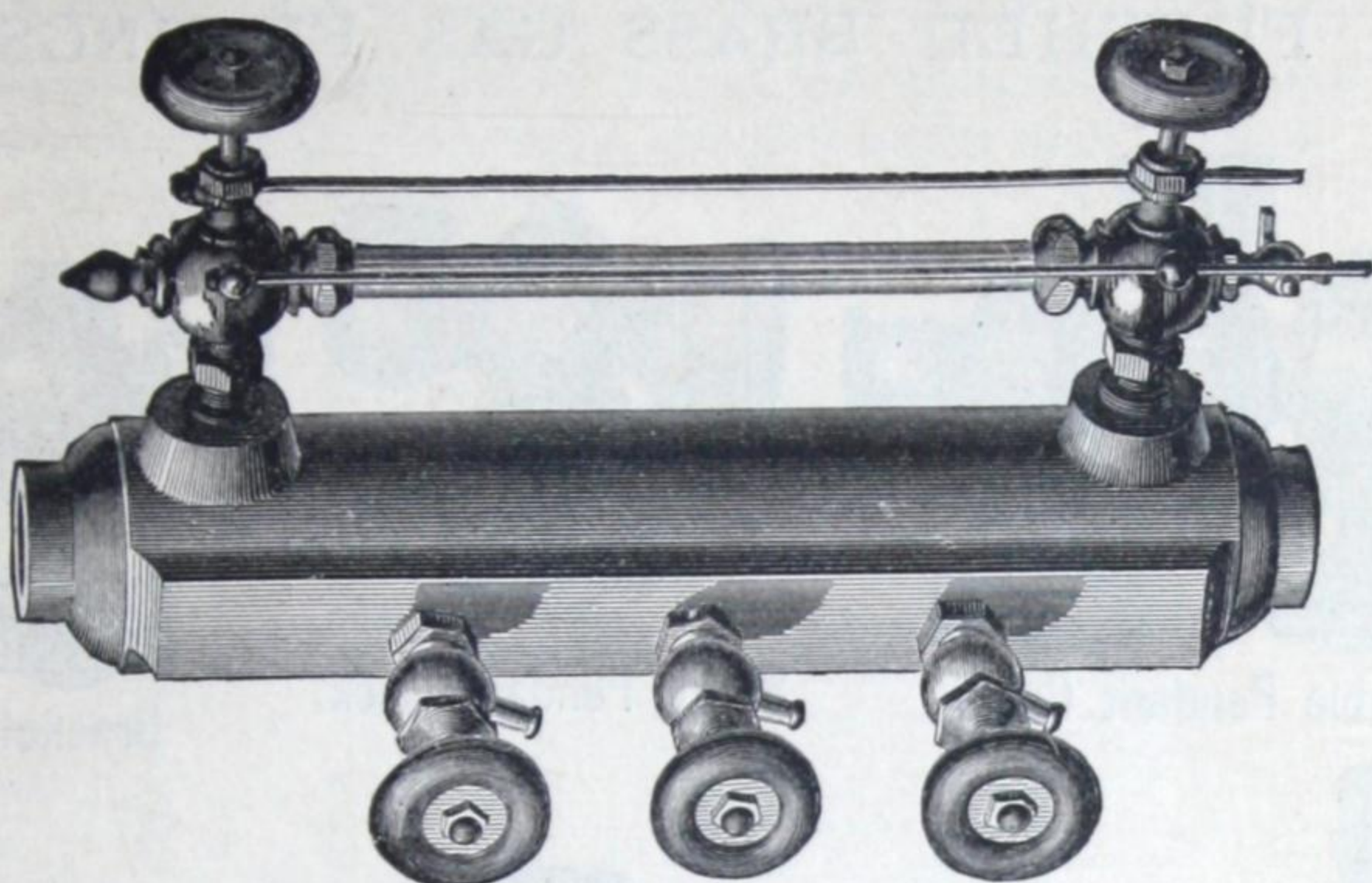
	¹ / ₈ pint.	¹ / ₂ pint.	³ / ₄ pint.	1 pint.	1 ¹ / ₂ pint.	1 quart.
Brass Finish,	10 00	12 00	14 00	16 00	20 00	24 00

HOLLAND SIGHT-FEED LUBRICATORS.

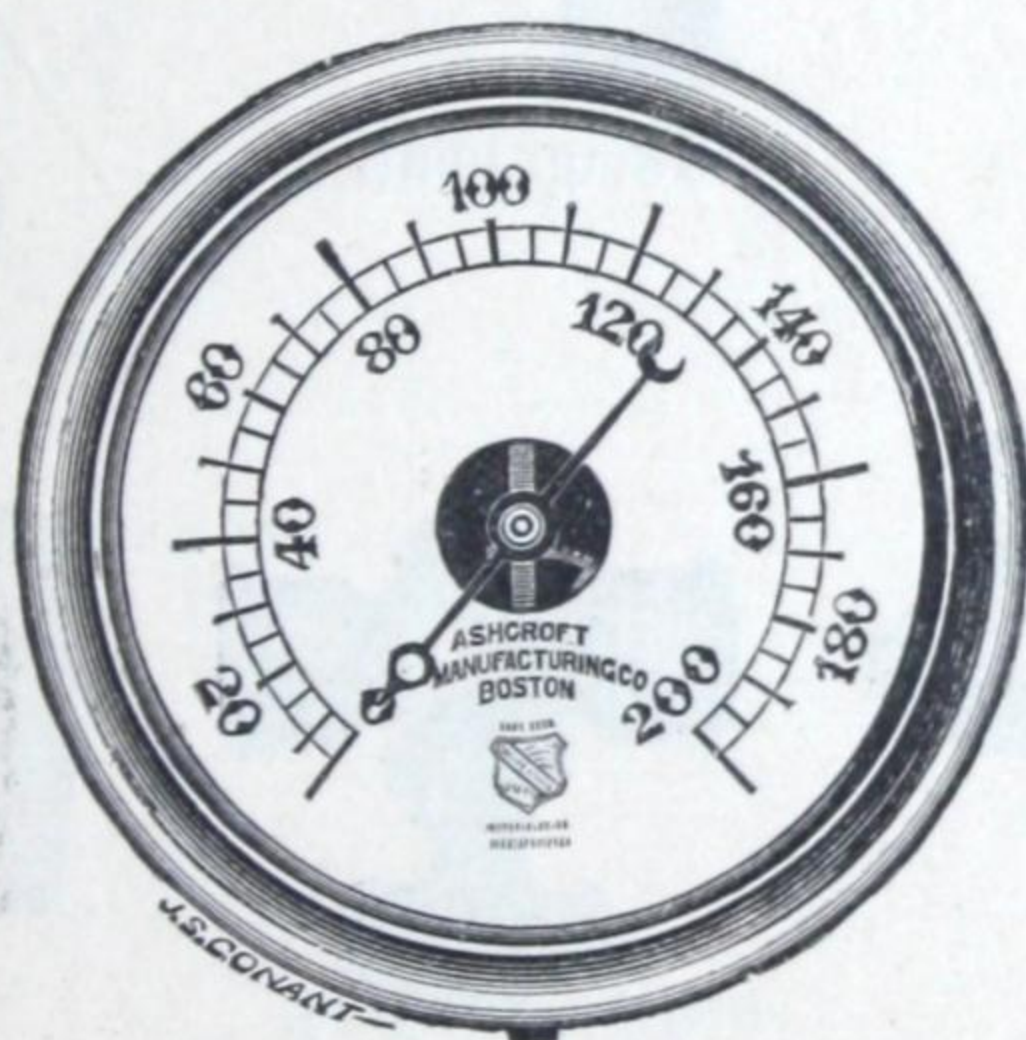
	BRASS.	NICKEL.		BRASS.	NICKEL.
1-Fourth Pint,	15 00	16 00	One Quart,	45 00	50 00
Half “	23 00	25 00	Half Gallon,	60 00	65 00
One “	30 00	35 00	One “	90 00	95 00

THE ACME, (MICHIGAN) LUBRICATOR.

	BRASS.	NICKEL PLATED.	Portable Cup, without Gauge Glass.		
Half Pint,	20 00	21 00		BRASS.	NICKEL PLATED.
Pint,	28 00	29 50	One-third Pint,	12 00	13 00
Quart,	38 00	40 00	One-half “	14 00	15 00
Half Gallon,	50 00	52 00	Pint,	16 00	17 00
Gallon,	60 00	62 50			



COMBINATION WATER COLUMNS,—Comprising Steam and Water Gauges, Gauge Cocks, etc., complete, Price, No. 1, \$18 00.
 “ “ 2, 25 00.



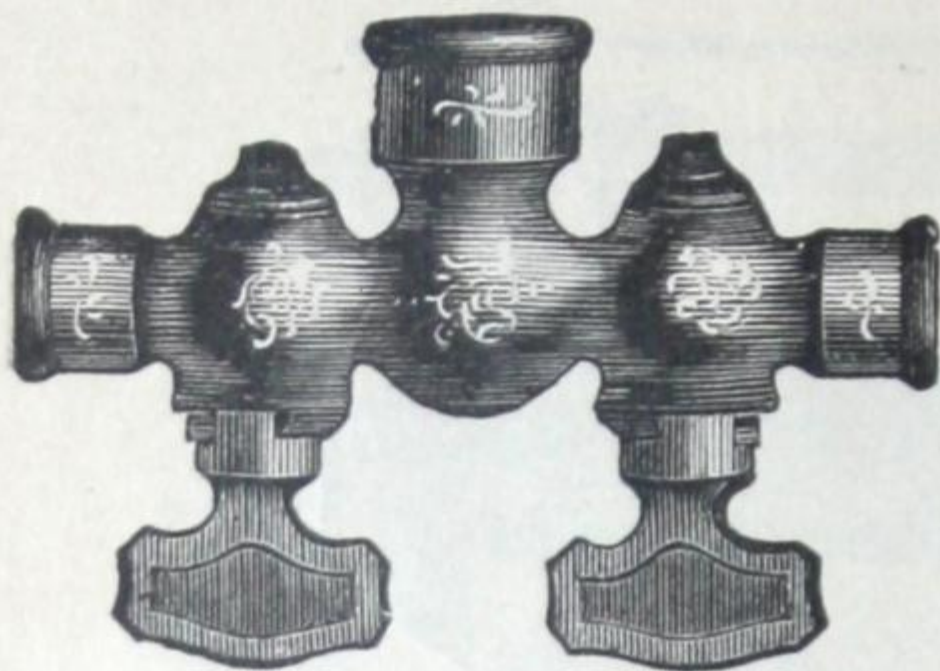
STEAM GAUGES.

Size of Dial	2	2½	3½	4¼	4½	5	5½	6	6¾	8½	9	10	12 in.
American Steam Gauge Co.													
Brass Case		8 00	9 00	9 00	.....	10 00	11 00	16 00	18 00	32 00	35 00	50 00	80 00
Iron Case		7 00	7 00	7 00	.....	8 00	9 00	14 00	16 00	.....	.....	.....	.....
Ashcroft M'f'g Co.													
Brass Case	8 00	.....	8 00	8 00	.....	.....	12 00	16 00	20 00	30 00	.....	40 00	70 00
Iron Case	9 00	.....	6 00	6 00	.....	.....	8 00	12 00	16 00	24 00	.....	80 00	50 00
Crosby Steam Gauge Co.													
Brass Case . . . . .	.....	10 00	10 00	.....	12 00	.....	14 00	17 00	20 00	28 00	.....	38 00	.....
Iron Case . . . . .	.....	.....	9 00	.....	10 00	6 00	10 00	14 00	16 00	20 00	.....	.....	.....

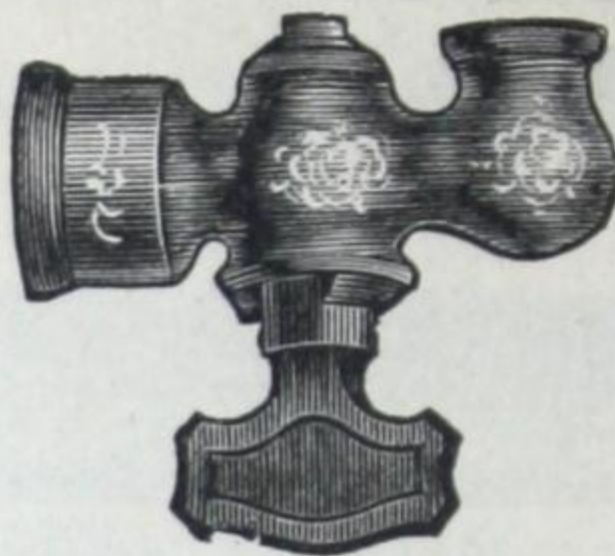
STEAM, VACUUM, HYDRAULIC AND TEST GAUGES, ENGINE COUNTERS AND CLOCKS,

AT MANUFACTURER'S PRICES.

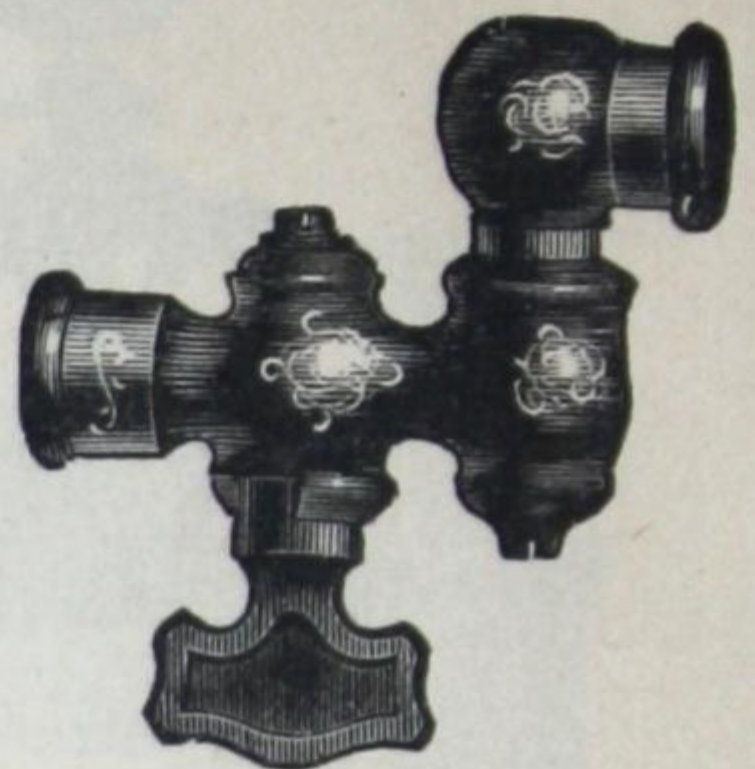
FINISHED BRASS GAS FITTINGS.



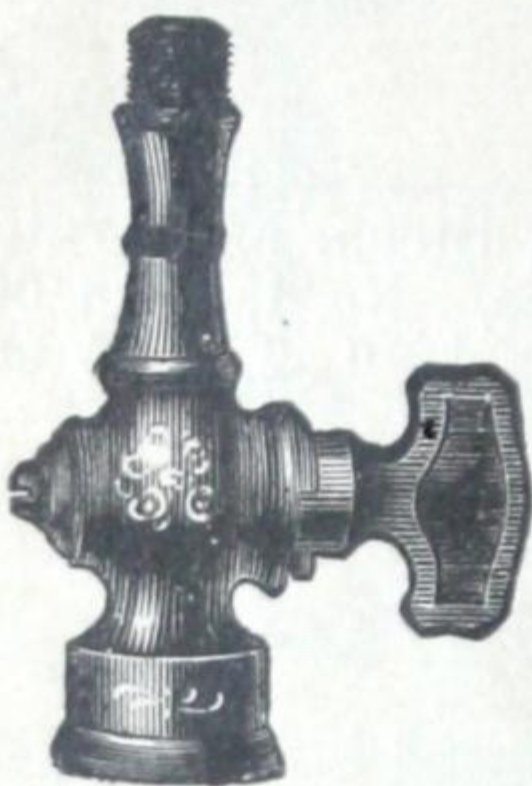
Double Pendant Cock.



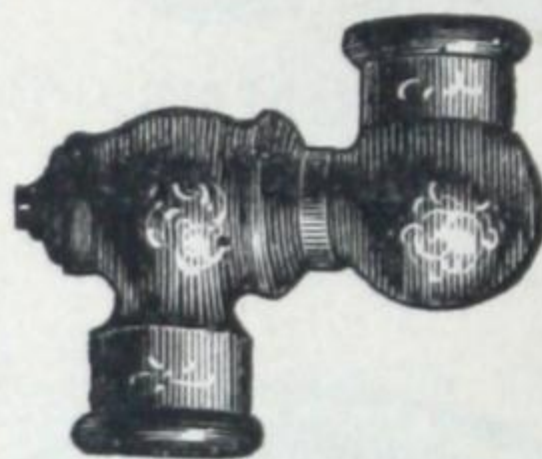
Single Pendant Cock.



Bracket Cock.



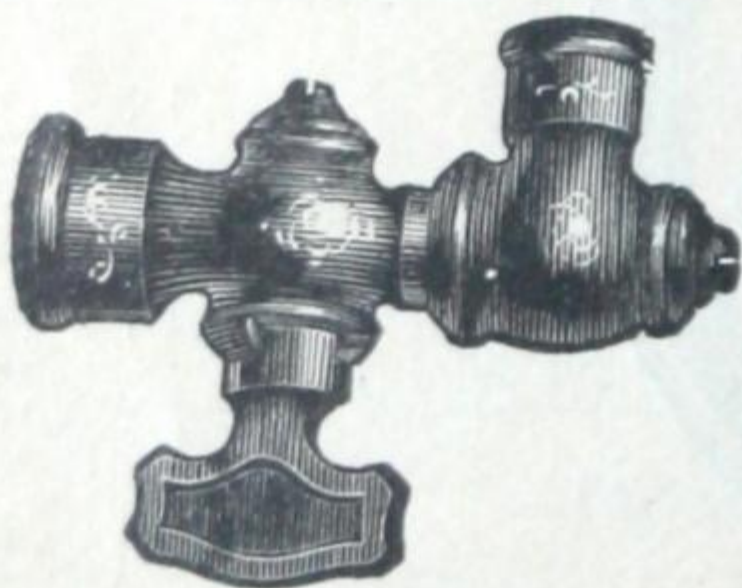
Pillar Cock.



Swing Joint.



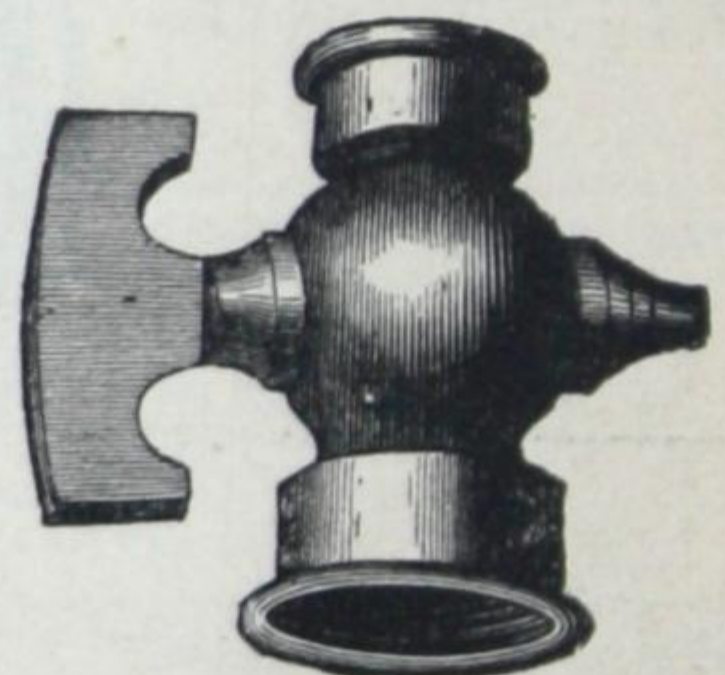
Universal Swing Joint.



Revolving Cock.



Straight Cock.



Lamp Cock.

.....	$\frac{1}{8}$	$\frac{1}{8} \times \frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8} \times \frac{3}{8}$	$\frac{1}{4} \times \frac{3}{8}$	$\frac{3}{8}$ in.
Double Pendant Cocks, per doz.	7 00	8 00	9 70	9 70	9 75	10 00
Single " " "	.....	4 40	5 30	5 40	5 40	.....
Elbow Burner " "	4 70	5 40	.....	5 80	.....	.....
Bracket Swing " "	.....	.....	.....	7 40	8 10	.....
Pillar " "	3 80	4 70	.....	5 40	.....	.....
Swing Joints, " "	4 40	4 70	4 70	5 00	5 00	6 10
Universal Joints, " "	7 40	7 40	7 90	7 90	7 90	8 60
Side and Straight Nozzles, " "	1 10	1 70	.....	2 00	.....	.....
Revolving Cocks, " "	.....	7 50	7 50	8 00	8 00	.....
Straight Cocks, " "	3 90	4 40	4 50	5 00	5 00	5 40
Lamp Cocks, per doz.	$\frac{3}{8} \times \frac{1}{8}$	4 90	$\frac{1}{2} \times \frac{1}{8}$	6 80	$\frac{3}{4} \times \frac{1}{8}$	6 80

Brass Burners, per doz. 30c. Iron Burners, per doz. 30c. Lava-tip Burners, per doz. 50c.



Side Nozzle.



Straight Nozzle.

BRACKETS, PENDANTS, CHANDELIERS, &c.

A Variety of Styles at Manufacturers' Prices.

Extra Heavy Brass Fittings.

Extra Heavy Fittings, especially for Factory use, made with great care, and with special view to strength in the plugs, necks, and parts usually weak in fittings.

									DOZEN.
2	Lt. Pendant Cocks,	$\frac{1}{2}$	iron to	$\frac{3}{8}$	iron				16 50
2	"	$\frac{3}{8}$	"	$\frac{3}{8}$	"				14 20
2	"	$\frac{3}{8}$	"	$\frac{1}{4}$	"				14 20
2	"	$\frac{1}{4}$	"	$\frac{1}{8}$	"				14 20
1	"	$\frac{3}{8}$	"	$\frac{3}{8}$	"				8 50
1	"	$\frac{3}{8}$	"	$\frac{1}{4}$	"				8 50
1	"	$\frac{3}{8}$	"	$\frac{1}{8}$	"				8 50
1	"	$\frac{1}{4}$	"	$\frac{1}{8}$	"				8 00
L	Burner Cocks,	$\frac{1}{2}$	"	Burner					9 00
"	"	$\frac{3}{8}$	"	"					8 50
"	"	$\frac{1}{4}$	"	"					7 50
Pillar	Cocks,	$\frac{1}{2}$	"	"					8 00
"	"	$\frac{3}{8}$	"	"					7 25
"	"	$\frac{1}{4}$	"	"					6 75
Revolving	Cocks,	$\frac{3}{8}$	"	$\frac{3}{8}$	iron				10 80
"	"	$\frac{3}{8}$	"	$\frac{1}{4}$	"				10 80
"	"	$\frac{3}{8}$	"	$\frac{1}{8}$	"				10 80
"	"	Universal,	$\frac{3}{8}$ x	$\frac{3}{8}$	"				17 00
"	"	"	$\frac{3}{8}$ x	$\frac{1}{4}$	"				15 00
"	"	"	$\frac{3}{8}$ x	$\frac{1}{8}$	"				15 00
Straight	"	$\frac{1}{2}$	iron to	$\frac{1}{2}$	iron				8 30
"	"	$\frac{3}{8}$	"	$\frac{3}{8}$	"				7 90
Bracket	"	$\frac{3}{8}$	"	$\frac{3}{8}$	"				11 50
"	"	$\frac{3}{8}$	"	$\frac{1}{4}$	"				11 50
"	"	Universal,	$\frac{3}{8}$ x	$\frac{3}{8}$	"				18 20
"	"	"	$\frac{3}{8}$ x	$\frac{1}{4}$	"				16 00
Top Swings,	$\frac{1}{2}$	iron to	$\frac{1}{2}$	iron					10 20
"	"	$\frac{3}{8}$	"	$\frac{3}{8}$	"				8 10
"	"	$\frac{3}{8}$	"	$\frac{1}{4}$	"				7 50
"	"	Universal,	$\frac{3}{8}$	iron to	$\frac{3}{8}$	iron			11 50
"	"	"	$\frac{3}{8}$	"	$\frac{1}{4}$	"			11 50
Middle Swings,	$\frac{3}{8}$	iron to	$\frac{3}{8}$	iron					8 10
"	"	$\frac{3}{8}$	"	$\frac{1}{4}$	"				7 00
"	"	$\frac{1}{4}$	"	$\frac{1}{4}$	"				6 00
"	"	$\frac{1}{4}$	"	$\frac{1}{8}$	"				6 00
"	"	Universal,	$\frac{3}{8}$	iron to	$\frac{3}{8}$	iron			11 50
"	"	"	$\frac{3}{8}$	"	$\frac{1}{4}$	"			11 50
"	"	"	$\frac{1}{4}$	"	$\frac{1}{4}$	"			10 00
"	"	"	$\frac{1}{4}$	"	$\frac{1}{8}$	"			10 00
Side Nozzles,	$\frac{3}{8}$	iron to	Burner						2 80
"	"	$\frac{1}{4}$	"	"					2 50
End	"	$\frac{3}{8}$	"	"					2 60
"	"	$\frac{1}{4}$	"	"					2 00

BURNER CUPS.

Price, per dozen,	30 cents.
-------------------	-----------

GLOBE HOLDERS.

Price, per dozen,	67 cents.
-------------------	-----------

CEILING PLATES.

Size.....	$2\frac{1}{2}$	3	4	5	6
Price, per dozen,	1 38	1 88	3 13	4 63	7 75

BRACKET BACKS.

Size	$2\frac{1}{2}$	3	4
Price, per dozen,	. 70	1 00	2 50

ARGAND BURNERS, With Shade and Chimney.

Price, each,	1 75
--------------	------

RUBBER PACKINGS.

Gum Packing, with cloth insertion, or cloth on either or both sides,					
$\frac{1}{16}$ inch thick.....	1 ply, per lb.	\$0 60	$\frac{1}{8}$ inch thick.....	2 ply, per lb.	\$0 55
.....	2 ply, "	0 63	.....	3 ply, "	0 58
.....	3 ply, "	0 66	.....	4 ply, "	0 61
$\frac{3}{32}$ inch thick.....	1 ply, "	0 55	$\frac{3}{16}$ inch thick.....	3 ply, "	0 55
.....	2 ply, "	0 58	.....	4 ply, "	0 58
.....	3 ply, "	0 61	$\frac{1}{4}$ inch thick.....	4 ply, "	0 55
One ply of cloth to every $\frac{1}{16}$ of an inch thickness.					
Three cents per pound additional for each extra ply of cloth.					
Fibrous Gaskets or Rings, $\frac{1}{8}$ of an inch thick or less				per lb.	\$0 90
"	"	"	"	$\frac{5}{32}$ " " more.....	" 0 80
The same with cloth insertion, $\frac{1}{16}$ of an inch thick or less				"	1 25
"	"	"	"	$\frac{3}{32}$ " " more.....	" 1 00
Pure Sheet Packing or Valve Gum.....				"	1 40
Pure Valves, Gaskets and Rings.....				"	1 50
Round and Square Piston Packing.....				"	85
Square Piston Packing, with elastic back.....				"	1 00
Tuck's Packing.....				"	85

RUBBER HOSE.

Internal Diameter...	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	4
Two ply, per foot...	20	25	33	42	50	58	66	75	83	92	99	1 32
Three, " ...	25	30	40	50	60	70	80	90	1 00	1 10	1 20	1 60
Four, " ...	30	37	50	62	71	87	1 00	1 12	1 25	1 37	1 50	2 00

Linen Hose, Rubber lined, from 1 to 8 inch. diameter.

WHITE RUBBER TUBING.

Internal Diameter	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Plain, per foot.....	8	12	16	18	20	25	30	35	45
Cloth Insertion	10	14	18	20	23	28	33	38	50

SUCTION HOSE.

In. Dia.	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	$5\frac{1}{2}$	6	$6\frac{1}{2}$	7	$7\frac{1}{2}$	8	9	10
Pr. ft.	77	\$1 125	1 65	2 10	2 50	3 10	\$4 490	5 80	6 70	7 60	8 50	9 50	10 50	\$12	13 50	\$15	17 50	\$20		

STEAM HOSE.

Internal Diameter.....					$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{2}$
Three ply.	For	20 lbs.	Steam or less.	Price, per foot,	45	54	71	90	1 07	1 24	1 41	1 74
Four	"	35	" " "	" "	54	71	88	1 10	1 31	1 52	1 74	2 18
Five	"	50	" " "	" "	68	89	1 10	1 38	1 64	1 90	2 18	2 73
Six	"	75	" " "	" "	81	1 07	1 32	1 65	1 96	2 28	2 61	3 27
Winding with Marline, 10 per cent. extra.												

EXTRA HEAVY BREWERS' HOSE.

Internal Diameter	$\frac{1}{4}$	$\frac{1}{2}$	1	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{2}$
Four ply, per foot.....	51	67	83	1 25	1 45	1 66	2 08

5 or 6 ply, 25 per cent. for each additional ply. This is also a good Steam Hose.

SAFETY LINEN HOSE.

Internal Diameter.....	$\frac{3}{4}$	1	$1\frac{1}{2}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$ in.
Linen Hose	14	14	16	18	23	26
" " Rubber Lined.....	28	30	35	42	50	60

This Hose is highly recommended by Insurance Companies as a protection from **FIRE**. Made of linen and woven seamless, it is strong, light and cheap enough to be in every factory, hotel, steamboat and public building. We furnish it with or without couplings and pipe to fit.

The entire expense of furnishing a large building with our Safety Hose may be saved by the reduced cost of insurance.

BEST OAK-TANNED LEATHER BELTING.

Width...	1	1½	2	2½	3	3½	4	4½	5	5½	6	7	8	9	10	11	12	13	14	15	16	17	18
per foot.	09	15	21	27	33	39	45	51	57	63	69	81	93	1 05	1 17	1 29	1 41	1 53	1 65	1 80	1 94	2 10	2 26

Double Belts twice the price of single. Belts up to 48 inches wide furnished.

Round Belts. 1/8 in. 5c. 3/16 in. 9c. 1/4 in. 12c. 5/16 in. 16c. 3/8 in. 20c. 1/2 in. 25c. 5/8 in. 30c. 3/4 in. 38c. 7/8 in. 45c. 1 in. 53c. per foot.

SCOTCH GLASS TUBES—For Water Gauges.

Length	10	11	12	13	14	15	16	17	18	19	20	22	24	30	36 in.
2 inch Outside Diameter.....	40	40	45	45	50	55	60	65	0 70	0 75	0 80	0 90	1 00	1 35	1 70
“ “ “ “	40	40	45	45	50	55	60	65	0 70	0 75	0 80	0 90	1 00	1 35	1 70
“ “ “ “				55	60	60	65	70	0 75	0 80	0 85	0 95	1 05	1 50	2 00
“ “ “ “					70	75	80	85	0 90	0 95	1 00	1 25	1 50	2 00	2 50
“ “ “ “							90	95	1 00	1 10	1 25	1 50	2 00	2 60	3 25

Rubber Washers for same, 40 cents per dozen.

HAIR AND WOOL FELTING.

PLAIN HAIR.					WITH WOOL BACK.				
Thickness	1/2	3/4	1	1½ in.	1/2	3/4	1	1½	2 in.
Price per square foot .	6½	8	9½	16	18	20	22	25	

Hair Felt with Canvas Back, same price as with Wool Back.

Asbestos Packing and Covering for Boilers, Pipes, etc.

Boilers, Tanks, Piping, etc., covered with either of the above materials in the best manner and at lowest rates.

COTTON WASTE.

No. 1 Cop	per lb.	12c.	No. 1 Colored.....	per lb.	9c.
“ “ by the bale	“	10c.	“ “ by the bale.....	“	8c.

RUBBER BELTING.

Width	1	1¼	1½	2	2½	3	3½	4	4½	5	6	7	8	9	10	11	12	13	14	15	16	18	20 in.
2 ply, per foot . . .	7	9	11	15	18	22	26	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3 ply, " . . . .	..	..	..	17	22	26	30	34	39	43	52	60	70	80	90	1 00	1 08	1 18	1 28	1 38	1 50	1 70	1 90
4 ply, " . . . .	..	..	..	21	26	31	37	42	47	52	62	73	84	95	1 07	1 18	1 30	1 42	1 54	1 66	1 78	2 02	2 26

Thicker and wider Belts furnished to order.

ASBESTOS PACKING.

Steam Rope Packing.....	per lb.	0 50	Sheating (Rolls).....	0 20
Wick Packing.....	“	0 50	Gaskets, Regular sizes	0 60
Mill Board (Sheets)	“	0 20	Balls for Packing Valves, etc.,	each 0 15

STEAM PACKINGS.

Eagle Packing	per lb.	\$0 25	Phenix Packing. Green Core 1 00, per lb.	
Selden’s “	“	0 50	Hemp Core 60c. “	
Hemp “ Italian 25c. Russian			Cotton “	\$0 35
“ “ 20c. American 16c.			Lampwick “ Balls, 6c. each,	
“ “ Fine Flax.....	“	0 38	Usudurian “ 10 lbs. bale....	“ 0 25
Soapstone “	“	0 20	“	“ 0 80
Empire “	“	1 25	Jenkins “	“ 0 80
American “	“	1 00	Square Flax Packing.....	“ 0 85

CHRISTOFFEL'S TUBE BRUSHES.

Size of Tube.....	1 to 2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4 in.	over.
Price, Elliptic.....	2 00	2 25	2 50	2 75	3 00	3 25	3 50	3 75	4 00	1 25 per in.
.. Coil.....	1 10	1 20	1 30	1 40	1 50	1 75	1 75	1 90	2 00	0 75 ..

ELASTIC TUBE SCRAPERS.

Size of Tube	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/2	5	6
Price.....	1 25	1 50	1 75	2 00	2 25	2 50	2 75	3 00	3 25	3 50	3 75	4 00	4 50	5 00	6 00

NATIONAL TUBE SCRAPERS.

Size of Tube.....	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/2	5	6
Price.....	2 00	2 00	2 00	2 00	2 25	2 50	2 75	3 00	3 25	3 50	3 75	4 00	4 50	5 00	6 00

BOILER TUBE BRUSHES.

Size of Tube.....	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4 in.
Whalebone	0 75	0 75	0 80	0 90	1 00	1 10	1 25	1 40	1 50	1 75	2 00	2 50
Steel Wire.....	1 00	1 00	1 10	1 25	1 40	1 50	1 60	1 75	2 00	2 25	2 50	

DUDGEON'S TUBE EXPANDERS.

1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	4	4 1/2	5	6	7 in.
\$20	20	20	25	30	35	42	48	55	60	70	85	100	120	130	180

PROSSER'S TUBE EXPANDERS.

Size	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	4	4 1/2	5	6	7 in.
Spring	\$8	8	9	11	12	13	15	18	22	26	30	33	37	42	60	75
Guide Ring.....	...	11	12	13	15	18	22	26	30	33	37	45	52	56	75	100

JACK SCREWS.

Length	6	8	10	12	14	16	20	24 in.
Diameter of Screw, 1 1/4.....	2 50	3 00	...	...	...	...	...	...
" " 1 1/2.....	3 00	3 50	3 75	4 00	...	...	...	...
" " 1 3/4.....	3 25	3 75	4 00	4 50	4 75	5 90	...	...
" " 2.....	4 00	4 25	4 75	5 25	6 00	7 00	8 00	10 00
" " 2 1/4.....	...	6 50	7 00	7 50	8 00	9 00	10 00	12 00
" " 2 1/2.....	...	7 50	8 00	8 50	9 00	9 50	11 00	13 00

DUDGEON'S HYDRAULIC JACKS, at Manufacturers' Prices.

DIFFERENTIAL PULLEY BLOCKS.

To Raise.....	1/4 Ton.	1/2 T.	1 T.	1 1/2 T.	2 T.	3 T.	4 T.
Price.....	22 50	25 00	30 00	40 00	50 00	75 00	...

OILERS.

Number	0	1	2	3	4	5	6
Brass, per dozen.....	3 00	3 50	4 00	5 00	6 00	7 00	9 00
Zinc	2 00	2 25	2 75	3 25	4 00	4 75	5 00

MALLEABLE IRON, \$6.00 per doz. COPPER OILERS.

OILER SETS—For Engine Room.

No. 1, 5 Pieces, all Brass, with Tray, comprising 3 Oilers, with Spring Bottom, 2 Cans all set in an oval Tray	\$16 00
No. 2, 3 Pieces, with Tray, comprising 2 Oilers, with Spring Bottom, 1 Can set in an oval Tray.....	12 00

MISCELLANEOUS.

EMERY PAPER.

No. 00 to 1½ and assorted, per Ream,.....	\$6 50
" 2 do.	7 50
" 2½ do.	9 50
" 3 do.	11 50

EMERY CLOTH.

All numbers per Ream,.....\$20 00

American Standard Numbers :

00, 0, 100, ½, 1, 1½, 2, 2½, 3.

GROUND AND FLOUR EMERY.

EMERY AND TANITE WHEELS for Grinding and Polishing.
 ROTTEN STONE. GROUND GLASS. PUMICE STONE.
 PLUMBAGO. BORAX, Etc.

RED LEAD, Dry,— per lb.,.....	6c.
WHITE " in Oil,— "	10c.
METALLIC PAINT, Dry, "	8c.

BABBIT METAL.

No. 1,.....15 cts. per pound. No. 2,.....20 cts. per lb.

BELT HOOKS.

No.	15	14	13	12	11	10	9	8	7	6	5	4
Per 1000. . .	1 75	2 00	2 25	2 50	2 75	3 00	3 50	4 00	5 00	7 00	8 50	10 00

BELT LACINGS.

Cut, Width,.....	¼	⅜	½	⅝	¾ in.
Per 100 feet.....	1 00	1 25	2 00	2 75	3 25

Full Sides,.....per lb. 85 Cts.

BELT COUPLINGS.

Diameter of Belt...	⅛	⅜	¼	⅝	⅜	½	⅝	¾	⅞	1 in.
Prize per Dozen, .	3 25	2 25	2 25	2 75	3 25	4 50	7 25	10 00	16 50	24 00

Belt Punches, all sizes and kinds.

Packing Hooks and Screws,.....50 cts. each.

WIRE.

Steel, Iron, Tinned, Galvanized, Brass and Copper, at market prices.
 Brass and Iron Wire Cloth, Wire Rope, Etc.

OILS.

Machinery, Cylinder and Lubricating,—at market rates.
 Tallow, - - - - - " "

OIL TANKS, CABINETS, CANS AND OILERS.

Every description of Engineers' Supplies, in stock or furnished at short notice.

I ERECT APPARATUS FOR Warming and Ventilating Buildings

Of every Description,—Public and Private,

upon the most approved and scientific plans, by High or Low Pressure Steam or Hot Water, by Direct or Indirect Radiation.

FACTORIES, MILLS, &c., heated by means of "Exhaust Steam."

STEAM DRYING ROOMS for Mills, Laundries, Hotels, etc., fitted up.

STEAM COOKING APPARATUS for Hotels and Restaurants, and PIPE WORK IN GENERAL.

Plans, Specifications and Estimates furnished.

I contract also, and make Specifications and Estimates for furnishing and erecting

BOILERS, TANKS, STILLs, ENGINES, PUMPS, SHAFTING, HANGERS, PULLIES, ETC., and MACHINERY IN GENERAL.

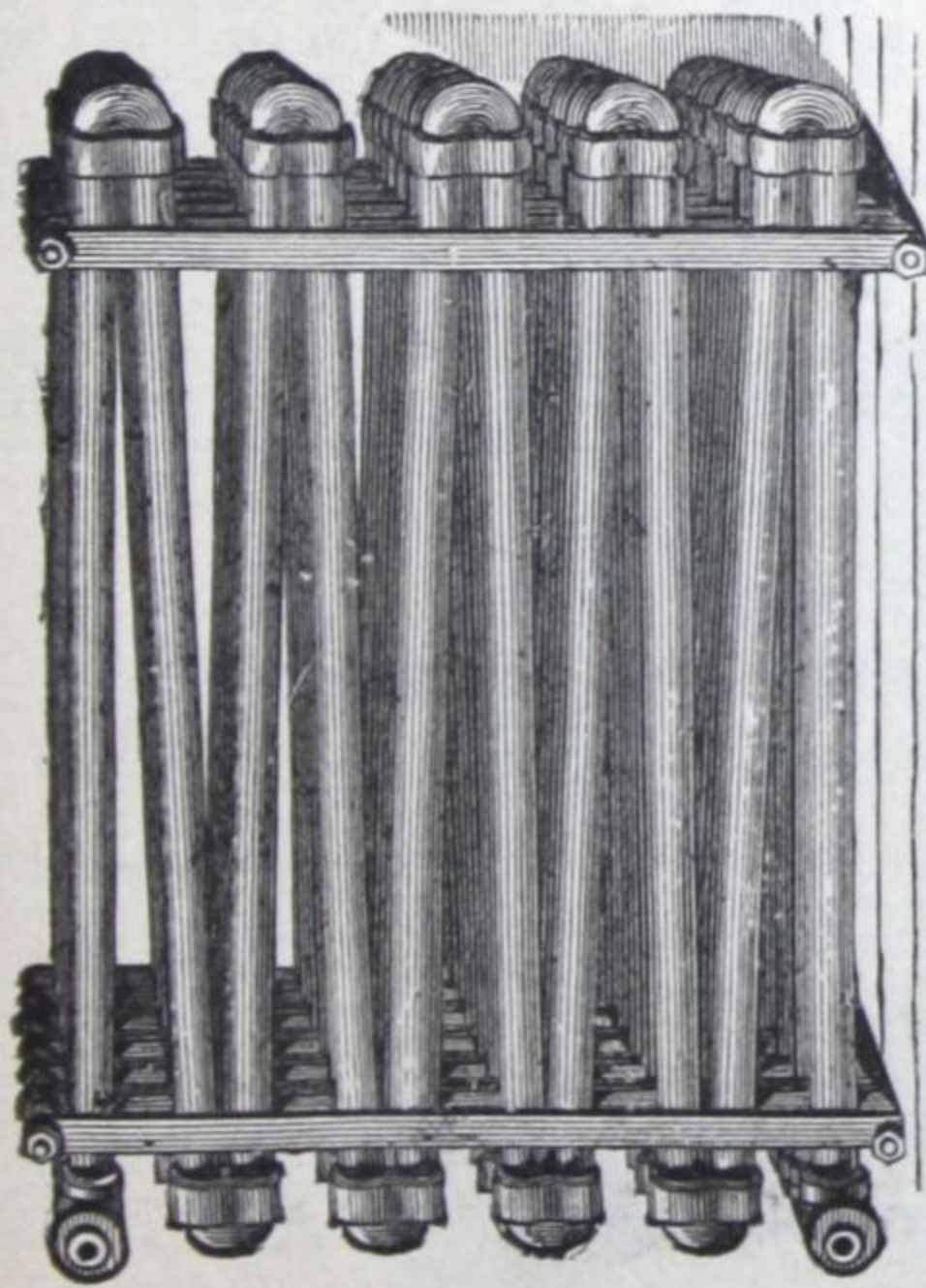
Repairs made to Boilers Engines, Pumps, Etc.

I furnish at Market Rates:

Boiler and Tank Iron, Bar, Angle and Sheet Iron,
English and American Steel, Iron and Steel Rails,
Rivets, Spikes, Bolts, Nuts, &c. Iron and Brass Castings.
Iron and Steel Forgings. Grate & Bearing Bars.
Shafting, Pulleys, Hangers, Etc., Etc.

PRICE FOR PIPE CUTTING. (ONE CUT AND THREAD.)

Size.....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Price.....	5	5	6	6	7	8	9	10	14	20	30
Size.....	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	6	7	8	9	10	12 in.	
Price.....	40	40	50	60	90	110	120	200	200	300	

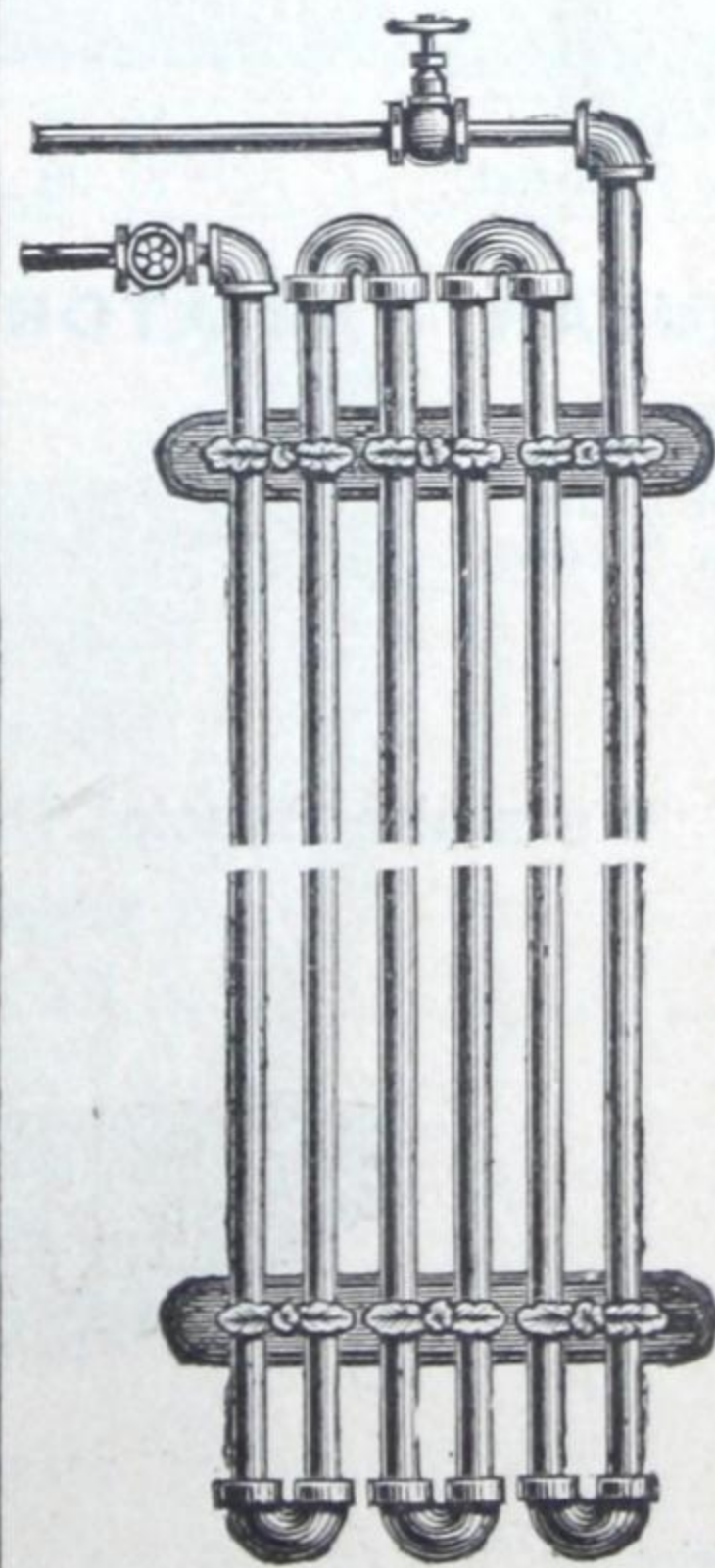


These Radiators can be made any desired length, height and width.

BOX COIL COIL RADIATORS.

Length of Coil,	3	3½	4	5	6	7	8	9	10 ft.
¾ inch Pipe per foot,	25	23	22	20	18	17	16	16	15
1 " "	31	28	26	25	24	23	22	20	20

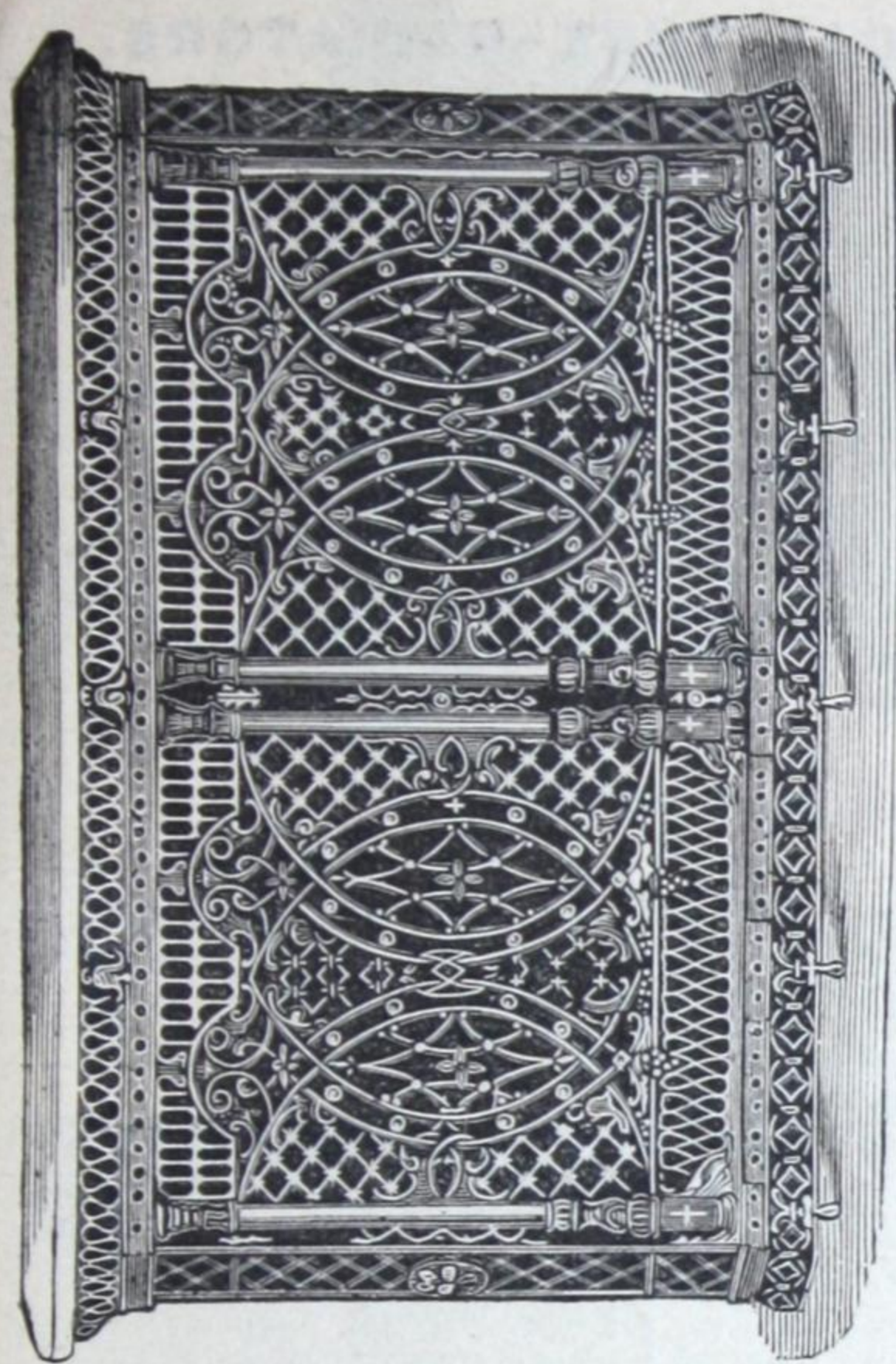
Larger Sizes of Pipe at special prices.



COIL RADIATORS.

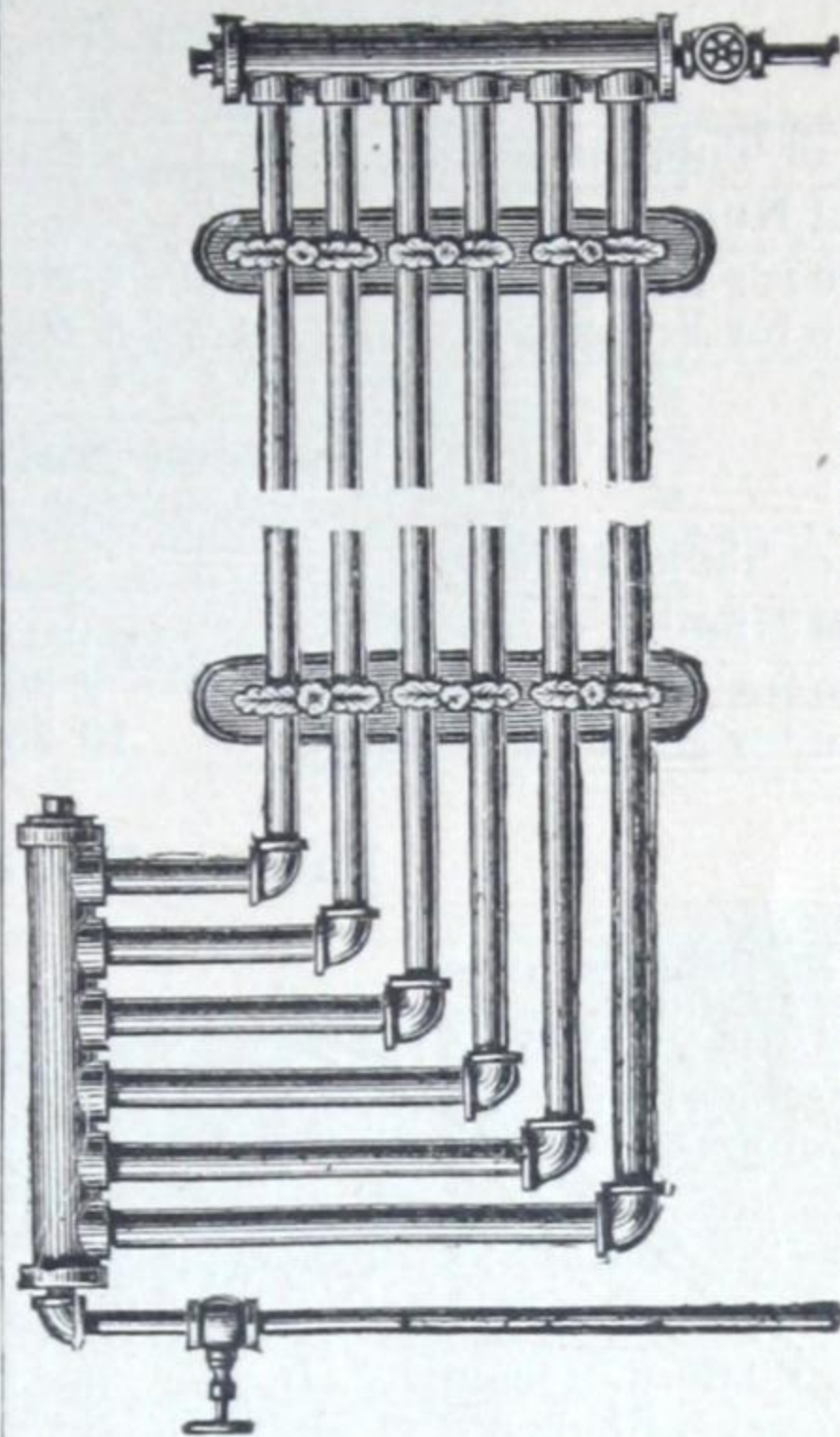
Any size pipe, length and height. Special prices.

Special prices.



ORNAMENTAL IRON SCREEN,

For covering Coil Radiators, Bronzed or Japanned, with Open Work or Marble Top. Price per square foot.....



CIRCULATION COIL.

Any size pipe, length and height. Special prices.

Special prices.

WROUGHT IRON VERTICAL TUBE RADIATORS.

Pattern No. 1. Single Row of Tubes.

No. of Tubes in length	4	8	12	16	20	24
Total Number of Tubes.....	4	8	12	16	20	24
Price for Plain	5 20	8 90	12 80	15 70	20 70	24 10
Price for Bronzed	5 60	7 75	14 00	17 30	22 70	26 50

Pattern No. 2. Two Rows of Tubes.

No. of Tubes in length	4	8	12	16	20	24
Total Number of Tubes.....	3	16	24	32	40	48
Price for Plain	9 30	16 80	23 80	30 20	38 20	46 50
Price for Bronzed	10 25	18 00	26 20	33 50	42 00	51 00

Pattern No. 3. Three Rows of Tubes.

No. of Tubes in length....	4	8	12	16	20	24	28
Total No. of Tubes	12	24	36	48	60	72	84
Price for Plain	13 20	24 20	35 00	46 00	58 40	69 30	80 00
Price for Bronzed	14 00	26 00	37 50	50 00	63 00	74 00	86 00

Pattern No. 4. Four Rows of Tubes.

No. of Tubes in length...	4	8	12	16	20	24	28	32
Total No. of Tubes.....	16	32	48	64	80	96	112	128
Price for Plain	18 00	32 80	47 80	62 60	78 00	92 00	106 00	121 00
Price for Bronzed	19 00	35 00	50 50	66 00	82 00	97 00	112 00	128 00

CIRCULAR RADIATORS.

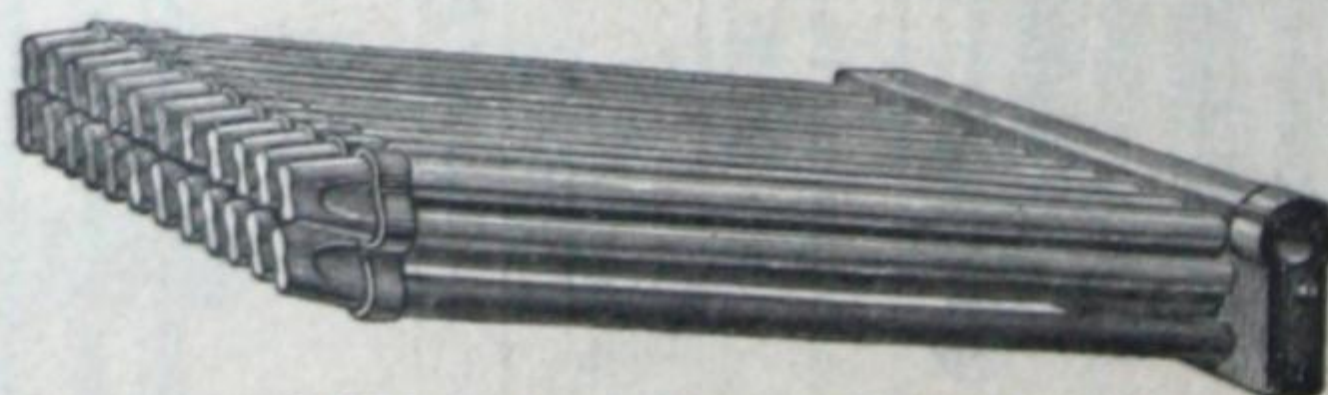
No.....	1	2	3	4	5	6	7
No. of Tubes	18	30	54	72	102	130	160
Price for Plain	19 25	30 00	52 00	67 00	100 00	123 00	150 00
Price for Bronzed.....	21 00	32 50	56 00	74 00	110 00	135 00	160 00

CIRCULAR RADIATORS, in Halves, to encircle Columns.

No. of Tubes.....	58	80	102	130	160
Price for Plain	63 50	87 00	113 00	142 00	167 00
Price for Bronzed	68 00	93 00	120 00	150 00	177 00

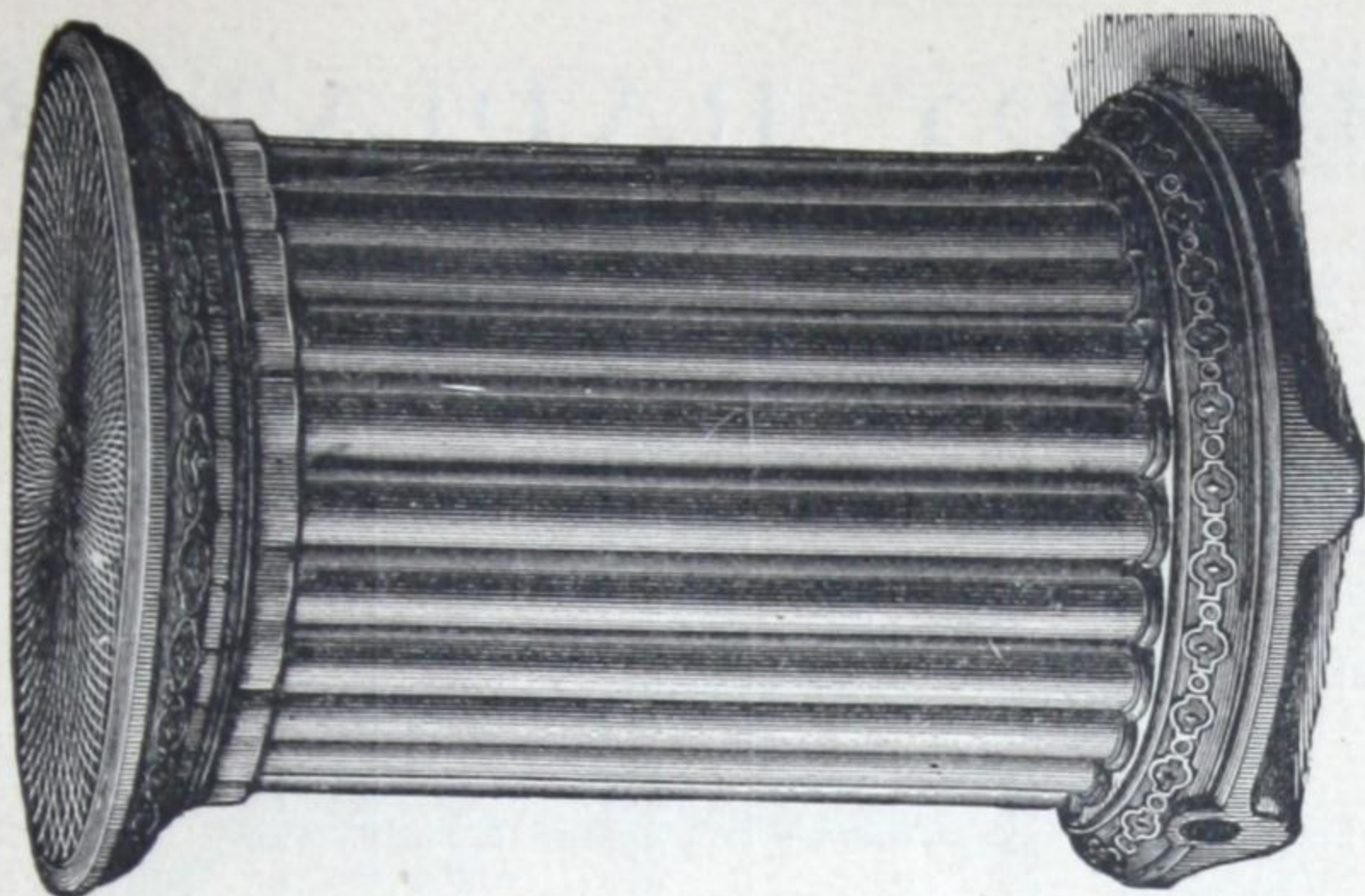
Marble Tops Extra.

We make Special Prices per Tube for these Radiators,
according to quantity and sizes.

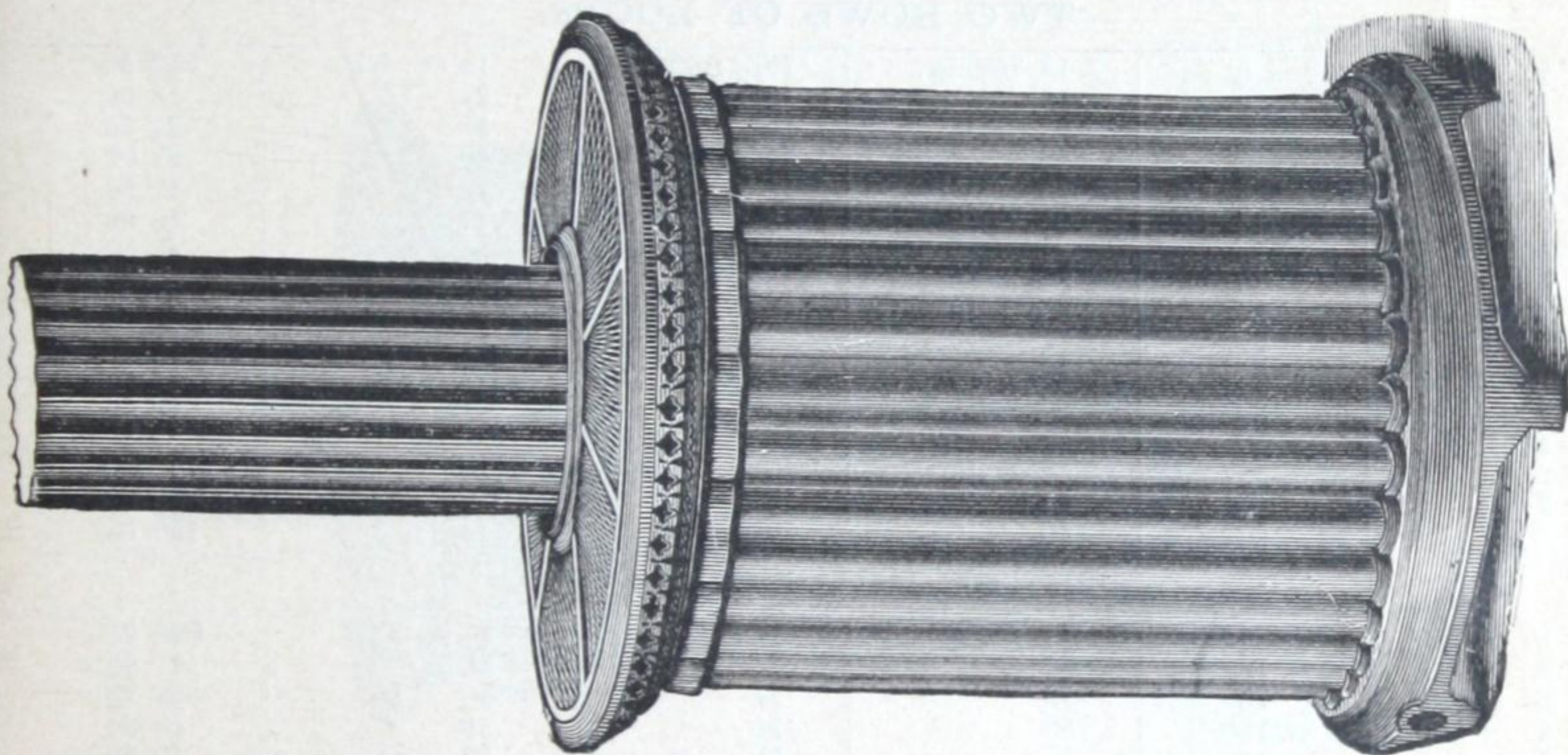


INDIRECT RADIATORS.

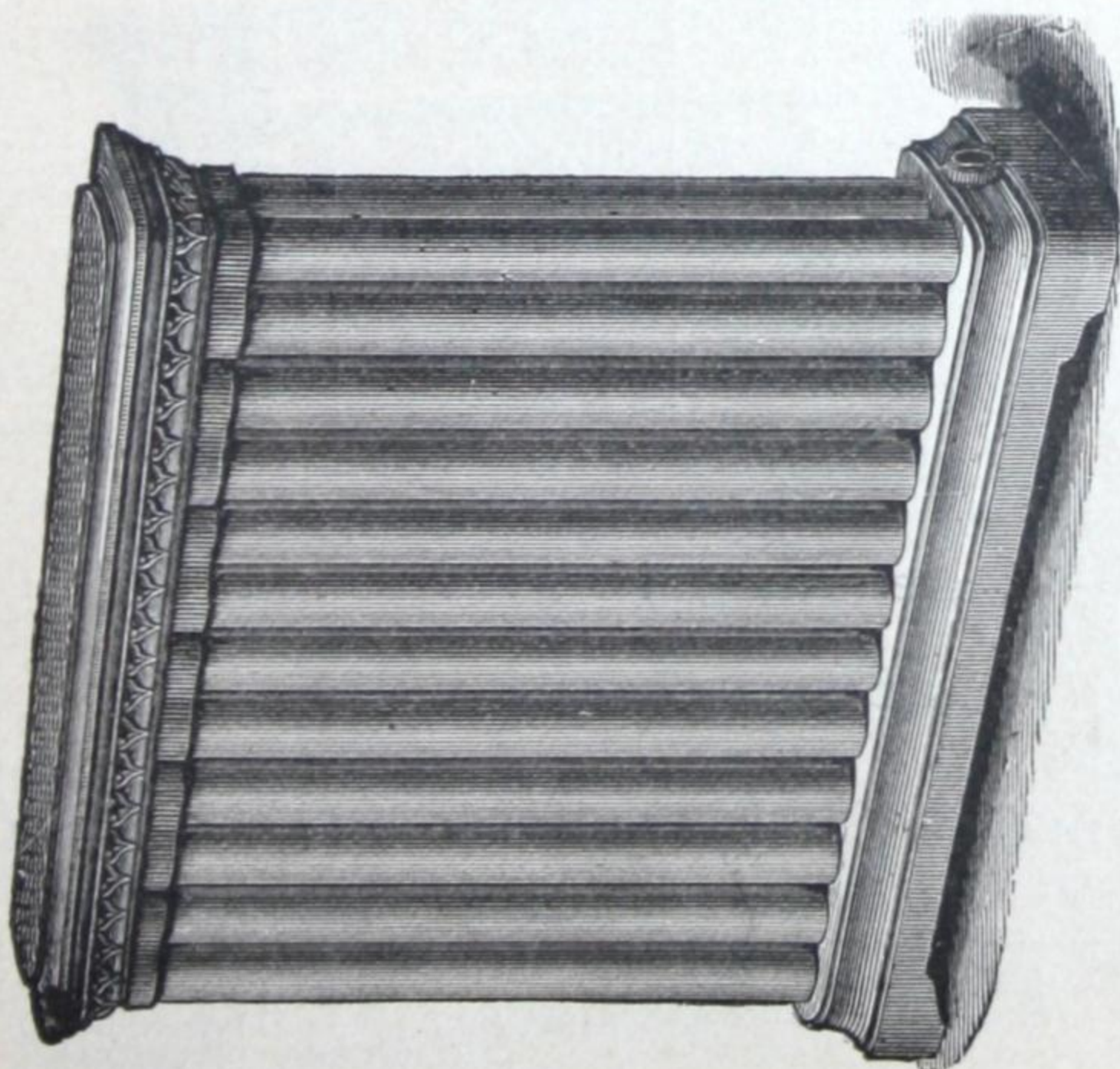
Price per Tube, any size..... 50 cents.



Circular Radiator.



Column Radiator.



Rectangular Radiator.

BUNDY RADIATOR.

SINGLE ROW OF LOOPS.

Size.	Loops.	Total Length.	Total Width.	Heating Surface.	Price, Flain.
1 × 3	3	13 inches.	6 $\frac{1}{2}$ inches.	9 sq. feet.	\$6 75
1 × 4	4	16 "	6 $\frac{1}{2}$ "	12 "	9 00
1 × 5	5	19 "	6 $\frac{1}{2}$ "	15 "	11 25
1 × 6	6	24 "	6 $\frac{1}{2}$ "	18 "	13 50
1 × 7	7	25 "	6 $\frac{1}{2}$ "	21 "	15 75
1 × 8	8	28 "	6 $\frac{1}{2}$ "	24 "	18 00
1 × 9	9	32 "	6 $\frac{1}{2}$ "	27 "	20 25
1 × 10	10	35 "	6 $\frac{1}{2}$ "	30 "	22 50
1 × 11	11	39 "	6 $\frac{1}{2}$ "	33 "	24 75
1 × 12	12	41 "	6 $\frac{1}{2}$ "	36 "	27 00
1 × 14	14	49 "	6 $\frac{1}{2}$ "	42 "	31 50
1 × 15	15	51 "	6 $\frac{1}{2}$ "	45 "	33 75
1 × 16	16	54 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	48 "	36 00
1 × 20	20	67 "	6 $\frac{1}{2}$ "	60 "	45 00
1 × 24	24	80 "	6 $\frac{1}{2}$ "	72 "	54 00

TWO ROWS OF LOOPS.

2 × 3	6	13 inches.	10 $\frac{1}{2}$ inches.	18 sq. feet.	\$13 50
2 × 4	8	16 $\frac{1}{2}$ "	10 $\frac{1}{2}$ "	24 "	18 00
2 × 5	10	20 "	10 $\frac{1}{2}$ "	30 "	22 50
2 × 6	12	23 "	10 $\frac{1}{2}$ "	36 "	27 00
2 × 7	14	26 "	10 $\frac{1}{2}$ "	42 "	31 50
2 × 8	16	29 "	10 $\frac{1}{2}$ "	48 "	36 00
2 × 9	18	32 "	10 $\frac{1}{2}$ "	54 "	40 50
2 × 10	20	35 "	10 $\frac{1}{2}$ "	60 "	45 00
2 × 11	22	38 $\frac{1}{2}$ "	10 $\frac{1}{2}$ "	66 "	49 50
2 × 12	24	42 "	10 $\frac{1}{2}$ "	72 "	54 00
2 × 13	26	45 "	10 $\frac{1}{2}$ "	78 "	58 50
2 × 14	28	49 "	10 $\frac{1}{2}$ "	84 "	63 00
2 × 15	30	51 $\frac{1}{2}$ "	10 $\frac{1}{2}$ "	90 "	67 50
2 × 16	32	54 $\frac{1}{2}$ "	10 $\frac{1}{2}$ "	96 "	72 00
2 × 20	40	67 "	10 $\frac{1}{2}$ "	120 "	90 00
2 × 24	48	80 "	10 $\frac{1}{2}$ "	144 "	108 00

THREE ROWS OF LOOPS.

3 × 3	9	13 inches.	14 inches.	27 sq. feet.	\$20 25
3 × 4	12	16 $\frac{1}{2}$ "	14 "	36 "	27 00
3 × 5	15	19 "	14 "	45 "	33 75
3 × 6	18	23 "	14 "	54 "	40 50
3 × 7	21	26 "	14 "	63 "	47 25
3 × 8	24	29 "	14 "	72 "	54 00
3 × 9	27	32 "	14 "	81 "	60 75
3 × 10	30	36 "	14 "	90 "	67 50
3 × 11	33	39 "	14 "	99 "	74 25
3 × 12	36	42 "	14 "	108 "	81 00
3 × 13	39	46 "	14 "	117 "	87 25
3 × 15	45	52 "	14 "	135 "	101 25

FOUR ROWS OF LOOPS.

4 × 6	24	23 inches.	18 $\frac{1}{2}$ inches.	72 sq. feet.	\$54 00
4 × 10	40	36 "	18 $\frac{1}{2}$ "	120 "	90 00
4 × 18	72	60 $\frac{1}{2}$ "	18 $\frac{1}{2}$ "	216 "	162 00
4 × 24	96	80 "	18 $\frac{1}{2}$ "	288 "	216 00

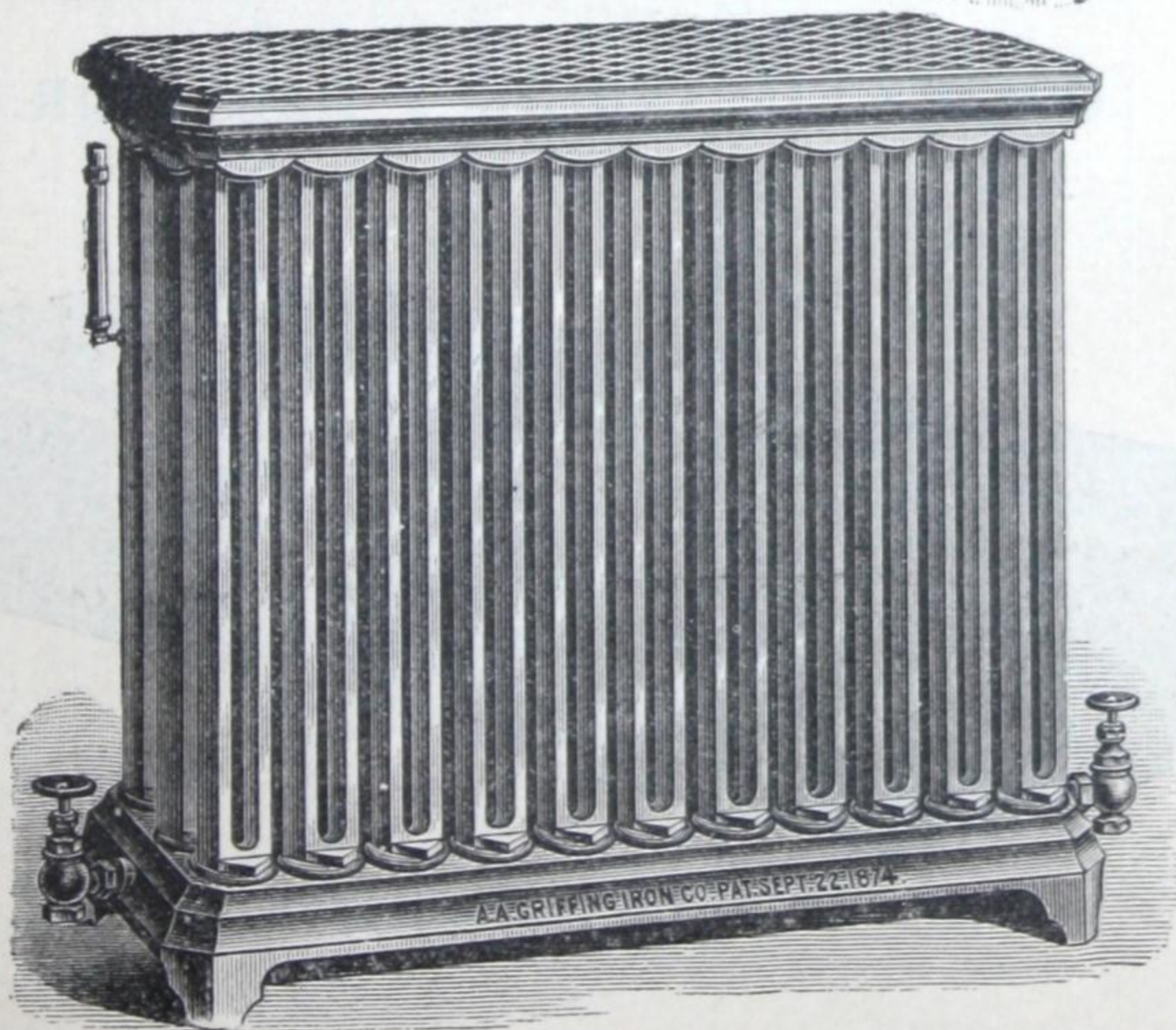
Loops.

CIRCULAR RADIATORS.

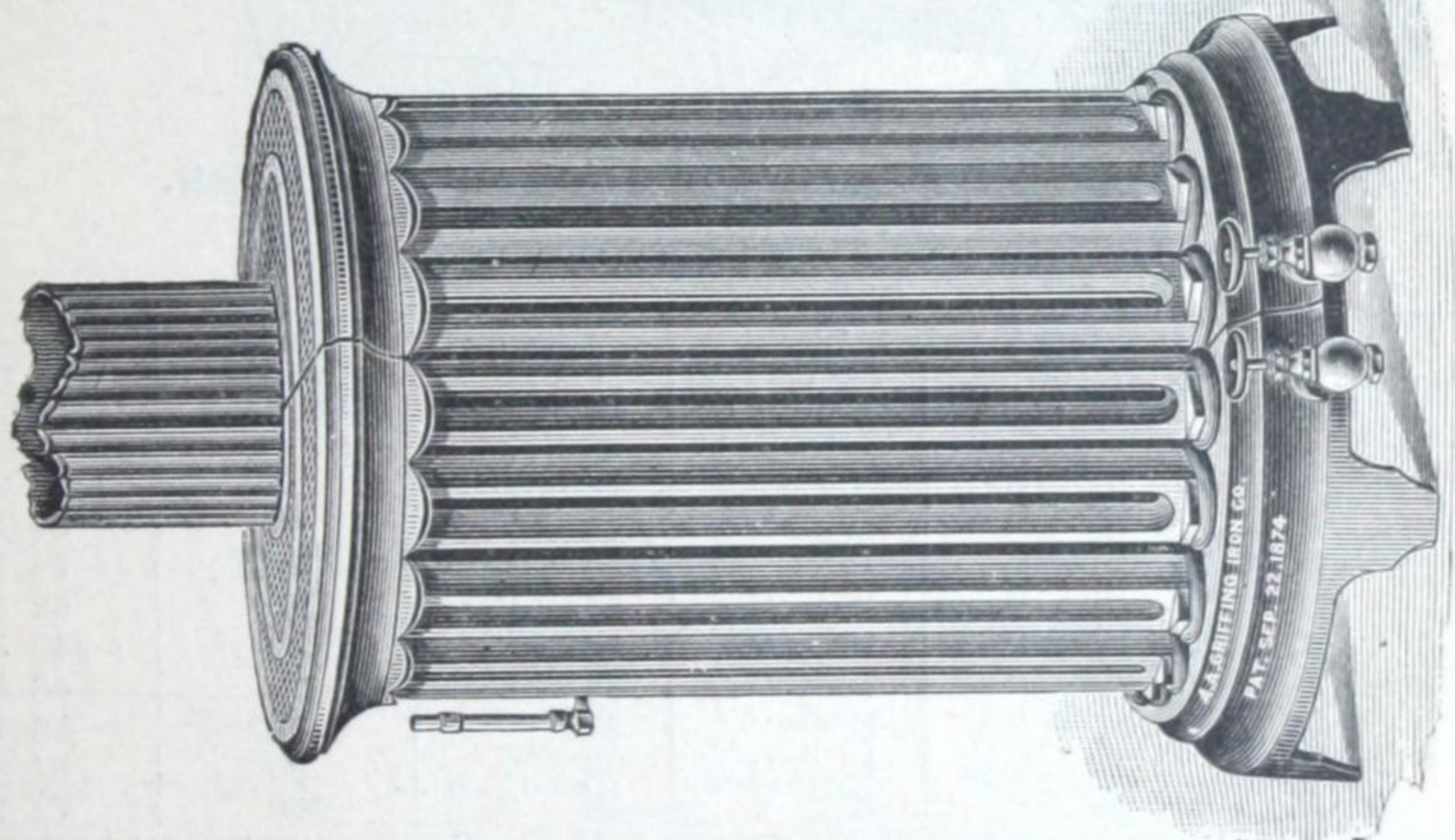
10	16 inches Outside	30 sq. feet.	\$22 50
15	19 $\frac{1}{4}$ "	45 "	33 75
20	21 $\frac{1}{2}$ "	60 "	45 00
22	21 $\frac{1}{2}$ "	66 "	49 50
26	24 $\frac{3}{4}$ "	78 "	58 50
31	27 $\frac{3}{4}$ "	93 "	69 75
50	30 $\frac{3}{4}$ "	150 "	112 50
72	37 $\frac{3}{4}$ "	216 "	162 00

COLUMN RADIATORS IN HALVES TO ENCIRCLE COLUMNS, Ten Cents per Loop extra.

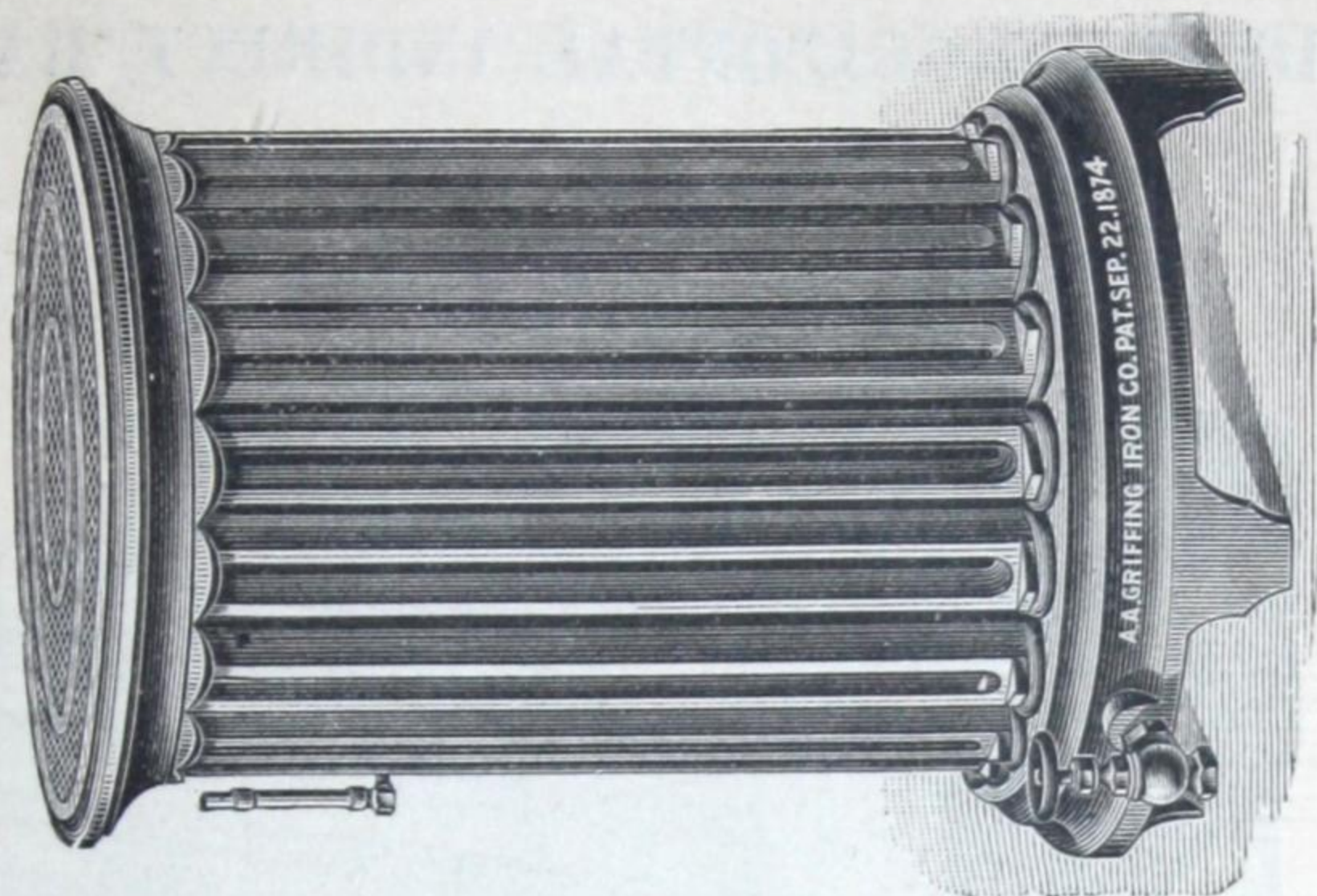
26	26 $\frac{1}{2}$ inches Outside Diameter.	9 $\frac{1}{2}$ inside dia.	78 sq. feet.	\$65 00
34	30 "	13 $\frac{1}{2}$ "	102 "	85 00
50	36 "	19 $\frac{1}{2}$ "	150 "	115 00



RECTANGULAR.

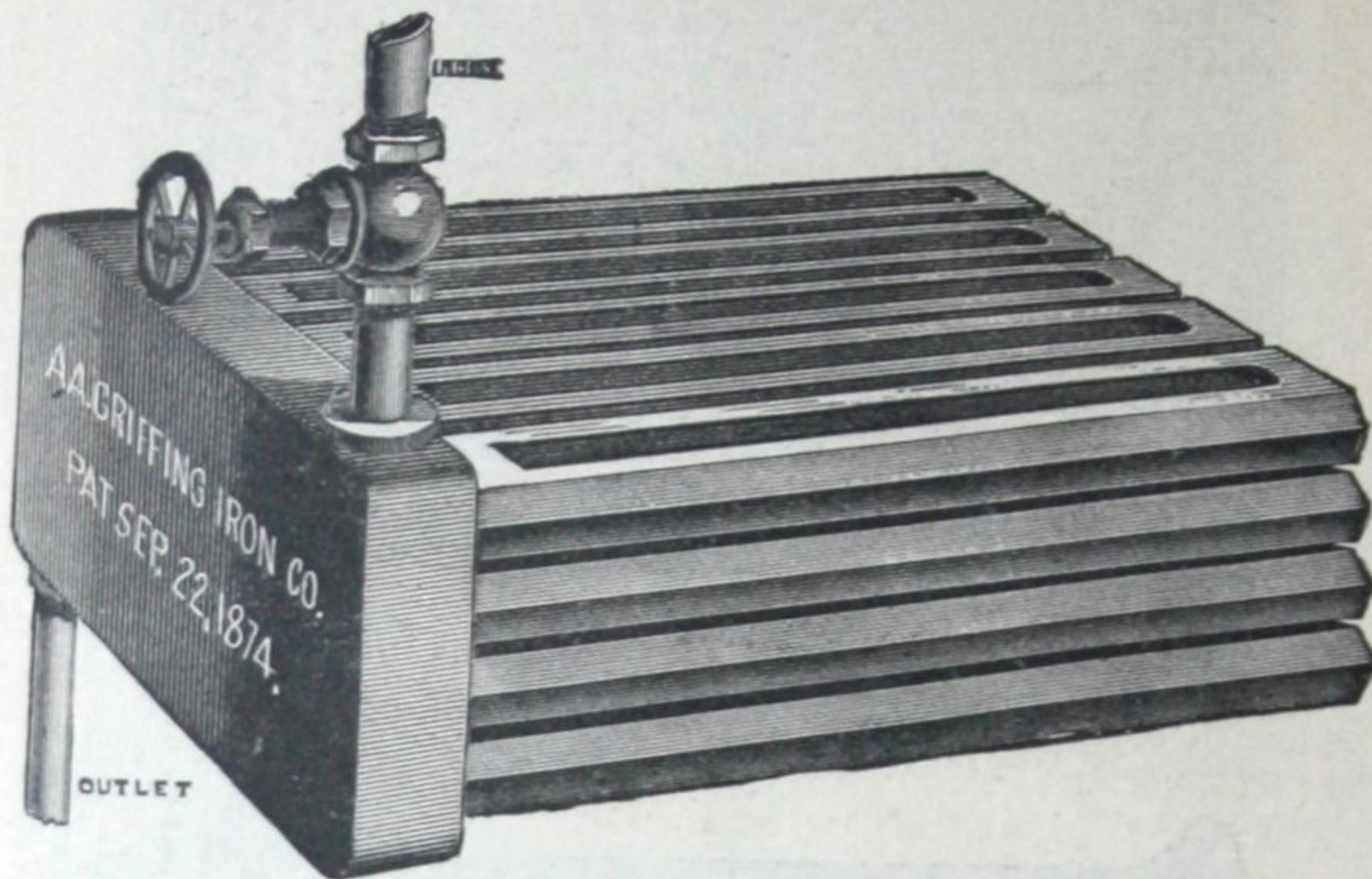


COLUMN.



CIRCULAR.

THE BUNDY HORIZONTAL INDIRECT RADIATOR.

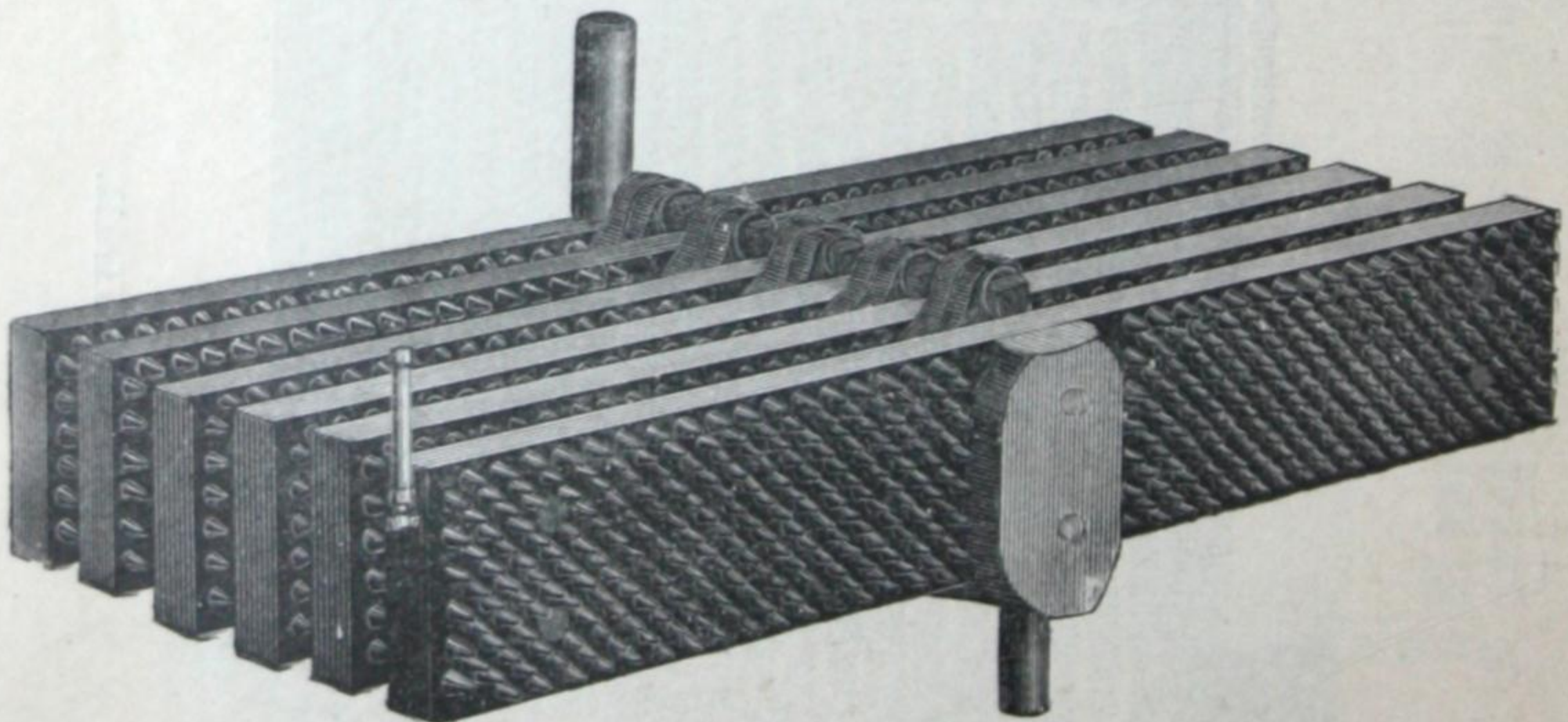


LIST OF HORIZONTAL INDIRECT RADIATORS.

Each Loop represents three feet of Heating Surface.

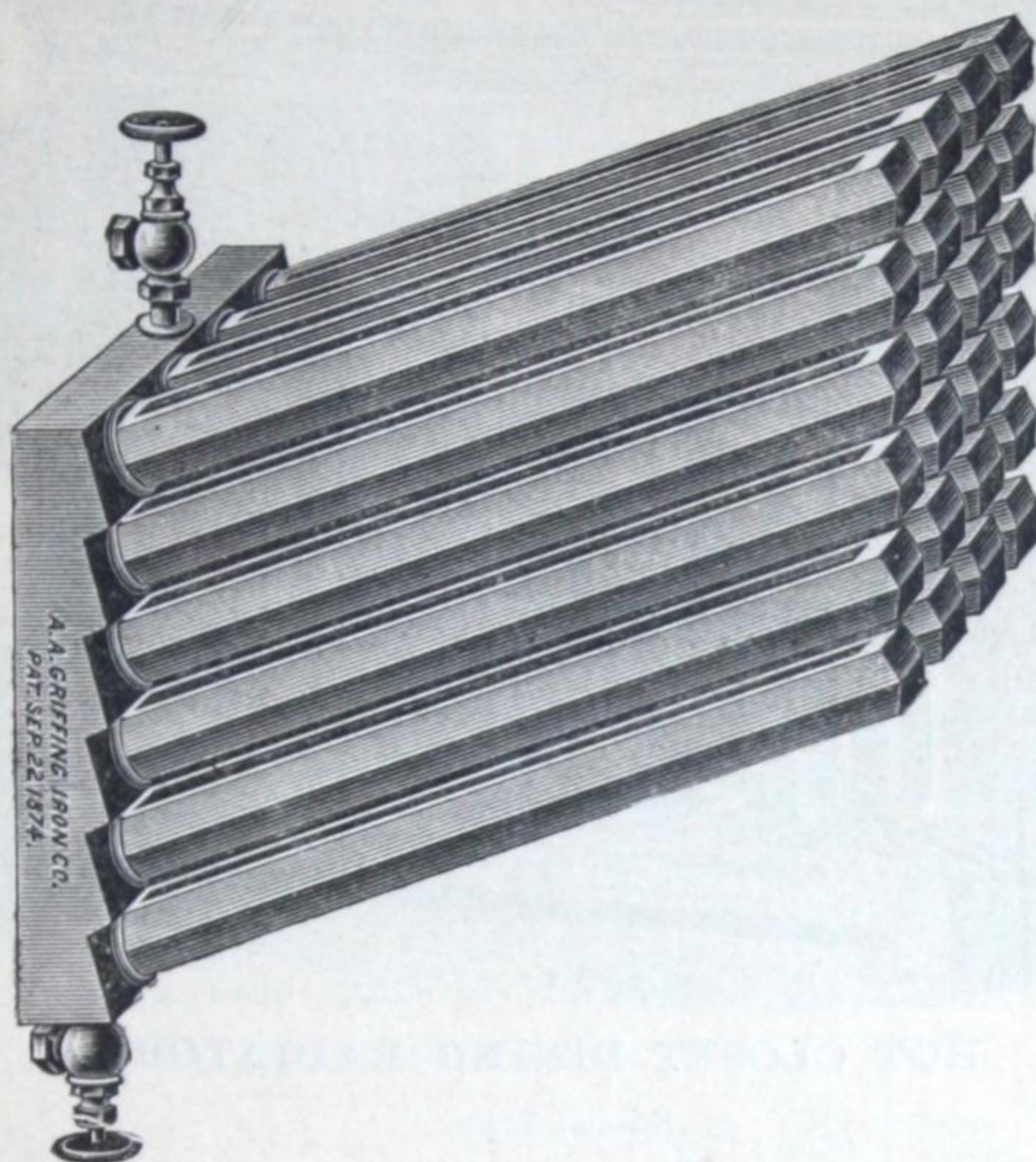
Shape of Radiators.	Number of Loops.	Width of Radiators.	Depth of Radiators.	Length of Radiators.	Feet of Heating Surface.	Price, with Plain Loops.
3 x 3	9	10 inches.	9 inches.	33 inches.	27	18 23
3 x 4	12	15 "	9 "	33 "	36	24 30
4 x 3	12	12 "	12 "	33 "	36	24 30
4 x 4	16	15 "	12 "	33 "	48	32 40
4 x 5	20	17 "	12 "	33 "	60	40 50
4 x 6	24	20 "	12 "	33 "	72	48 60
4 x 7	28	22 "	12 "	33 "	84	56 70
4 x 8	32	25 "	12 "	33 "	96	64 80
4 x 9	36	28 "	12 "	33 "	108	72 90

GOLD'S PIN INDIRECT RADIATOR.



PRICES ON APPLICATION.

BUNDY ANGLE INDIRECT RADIATOR.



LIST OF INDIRECT ANGLE RADIATORS.

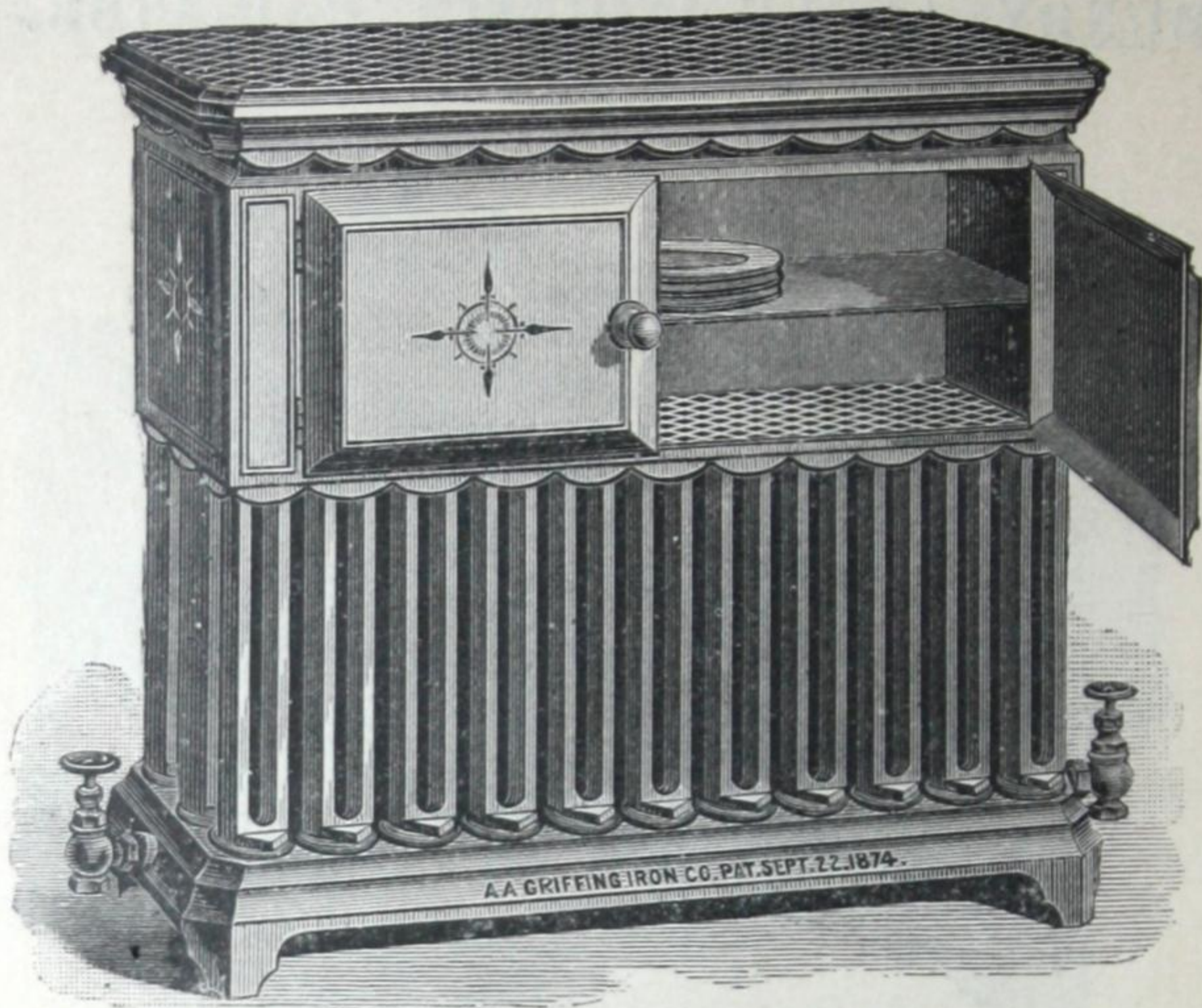
Each Loop represents three feet of Heating Surface.

Shape of Radiators.	Number of Loops.	Width of Radiators.	Depth of Radiators.	Length of Radiator.	Fee of Heating Surface.	Price, with Plain Loops.
3 x 3	9	10 $\frac{1}{2}$ inches.	20 $\frac{1}{2}$ inches	33 inches.	27	18 90
3 x 4	12	13 $\frac{1}{2}$ "	20 $\frac{1}{2}$ "	33 "	36	25 20
4 x 4	16	13 $\frac{1}{2}$ "	25 "	33 "	48	33 60
4 x 5	20	16 $\frac{1}{2}$ "	25 "	33 "	60	42 00
4 x 6	24	20 "	25 "	33 "	72	50 40
5 x 5	25	16 $\frac{1}{2}$ "	28 "	33 "	75	52 50
5 x 6	30	20 "	28 "	33 "	90	63 00
6 x 6	36	20 "	31 "	33 "	108	75 60

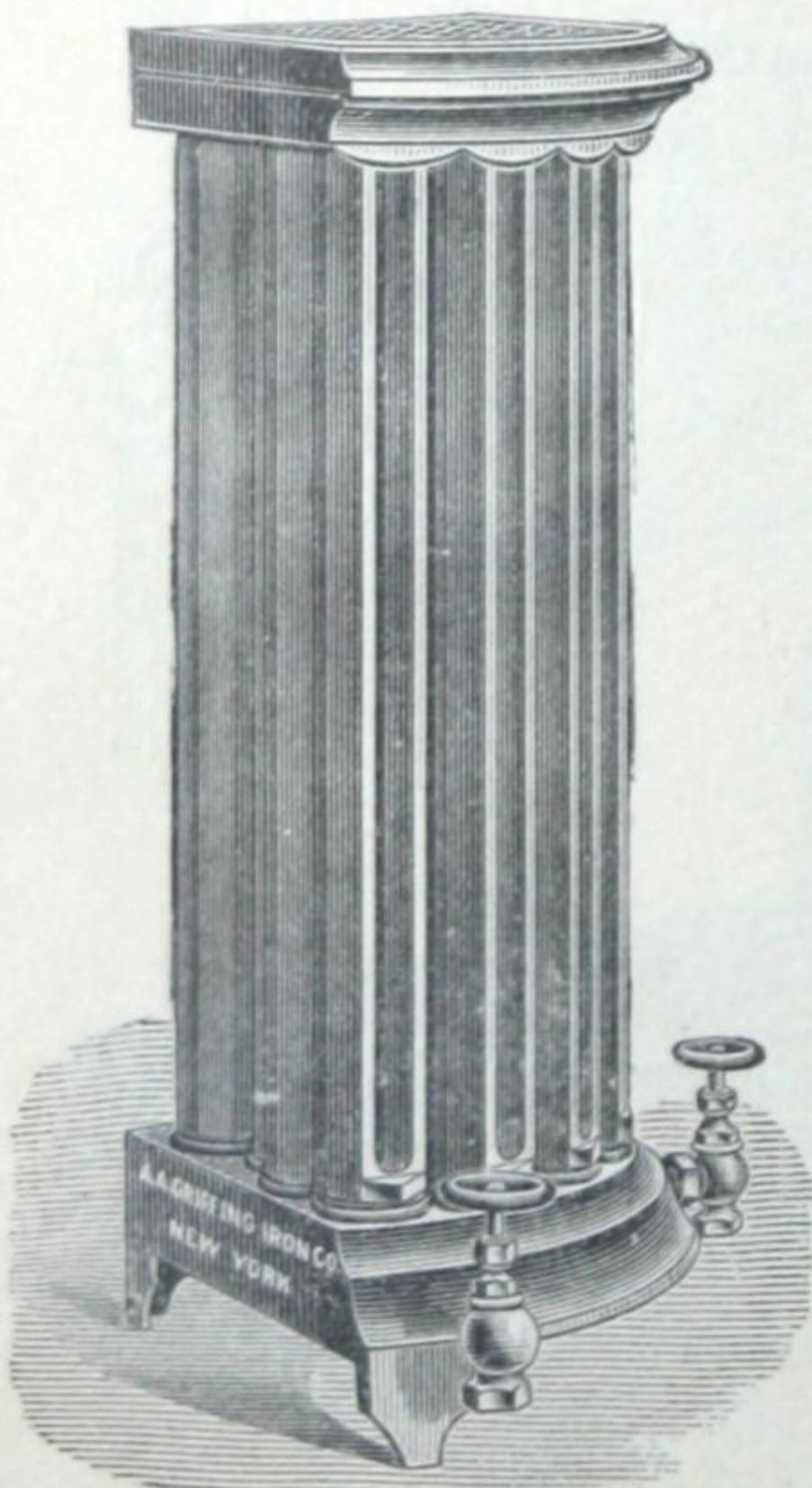
LIST OF PIN INDIRECT ANGLE RADIATORS.

Each Loop represents four feet of Heating Surface.

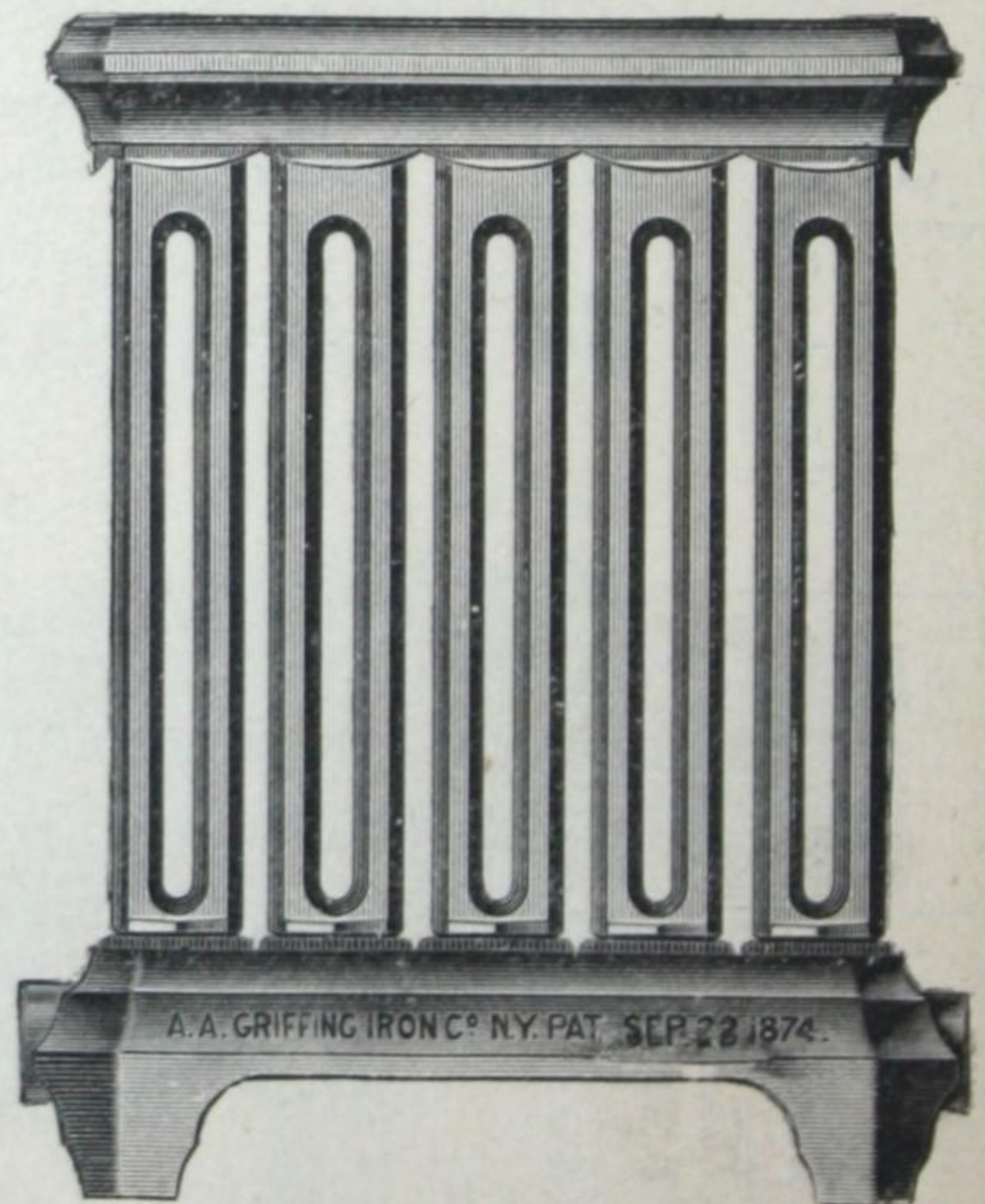
Shape of Radiators.	Number of Loops.	Width of Radiators.	Depth of Radiators.	Length of Radiators.	Feet of Heating Surface.	Price.
2 x 5	10	17 inches.	17 inches.	34 inches.	40	24 00
3 x 3	9	10 $\frac{1}{2}$ "	20 $\frac{1}{2}$ "	34 "	36	21 60
3 x 4	12	14 "	20 $\frac{1}{2}$ "	34 "	48	28 80
4 x 4	16	14 "	25 "	34 "	64	38 40
4 x 5	20	17 "	25 "	34 "	80	48 00
4 x 6	24	20 $\frac{1}{2}$ "	25 "	34 "	96	57 60



HOT CLOSET DINING RADIATOR,
Special Prices.



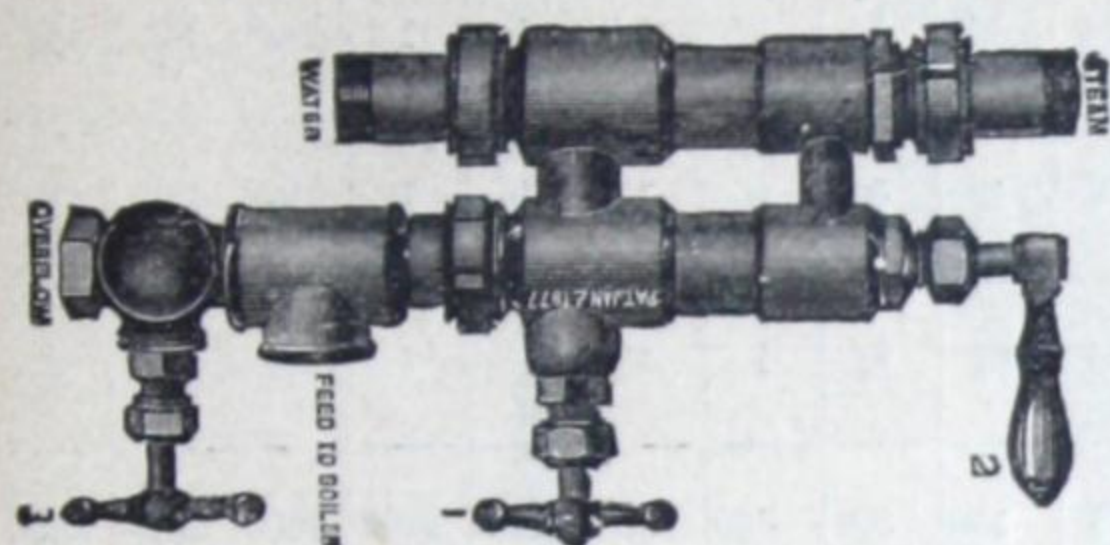
CORNER RADIATOR.
Special Prices.



HOT WATER RADIATOR.
Special Prices.

THE HANCOCK INSPIRATOR

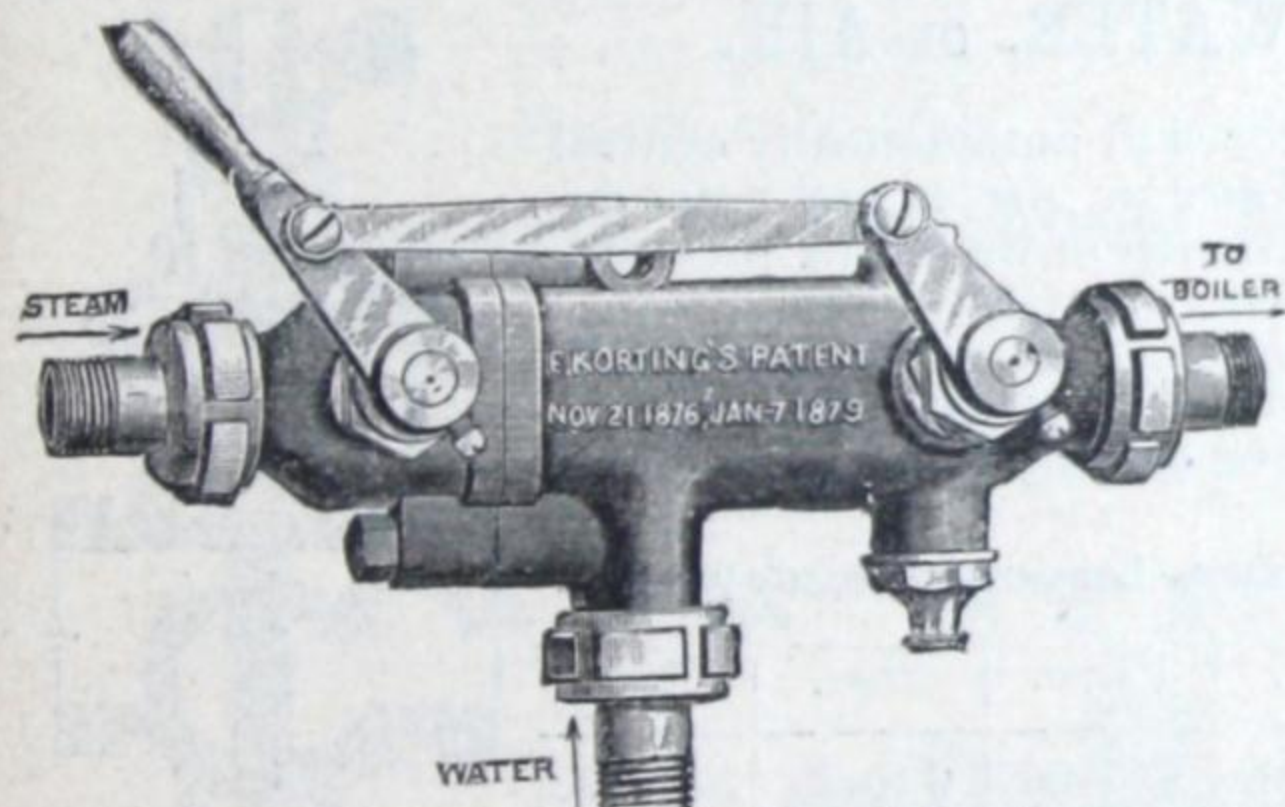
FOR FEEDING STATIONARY BOILERS.



No. of Inspirator.	Size of Connections.		Gallons per hour, 60 lbs. Pressure.	Price.
	Suction and Feed.	Steam.		
No. 7½	¾	¾	60	\$16 00
" 8¾	1½	¾	85	18 00
" 10	1½	¾	120	20 00
" 12½	¾	1½	220	25 00
" 15	¾	1½	300	30 00
" 17½	1	¾	360	40 00
" 20	1	¾	540	45 00
" 22½	1¼	1	700	55 00
" 25	1¼	1	900	60 00
" 30	1½	1¼	1260	75 00
" 35	1½	1¼	1740	90 00
" 40	2	1½	2230	110 00
" 45	2	1½	2820	125 00
" 50	2½	2	3480	150 00

KORTING DOUBLE TUBE INJECTOR.

Operated with One Handle. Feeds Hot Water to Boiler.

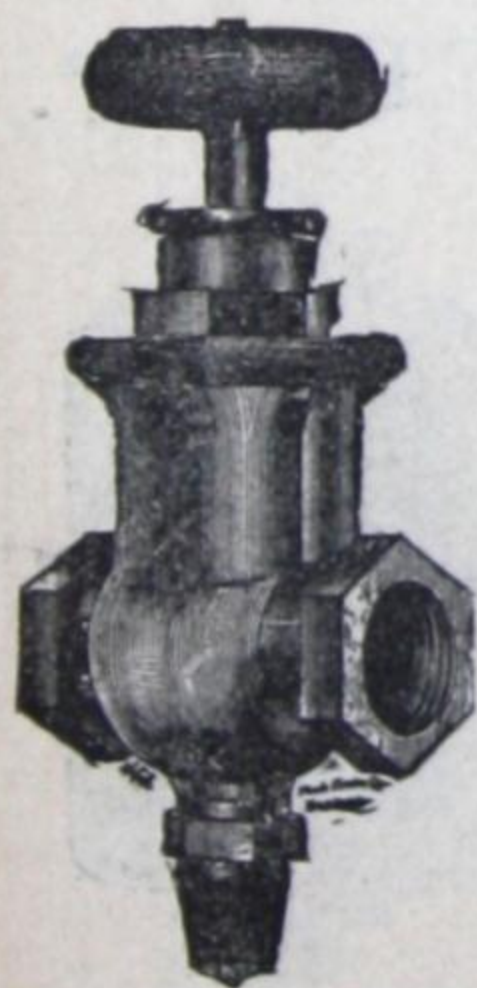


No. of In-jector.	Price of In-jector.	Horse Power.	Gallons per hour.	Pipe Con-nections.	Price of Strainer
No. 1	\$23 00	1 to 12	100	½ in.	\$2 00
" 2	28 00	20	150	¾ "	2 00
" 3	38 00	40	300	¾ "	2 50
" 3½	46 00	50	400	1 "	2 50
" 4	55 00	70	550	1 ¼ "	3 00
" 5	60 00	85	650	1 ¼ "	4 00
" 6	65 00	120	900	1 ½ "	4 00
" 7	85 00	160	1260	1 ½ "	5 00
" 8	100 00	200	1750	1 ½ "	5 00
" 9	120 00	250	2200	2 "	7 00
" 10	135 00	310	2800	2 "	7 00
" 12	165 00	475	3500	2 ½ "	10 00

Printed instructions sent with each Injector.

CURTIS PRESSURE REGULATOR.

For STEAM, WATER, or AIR.

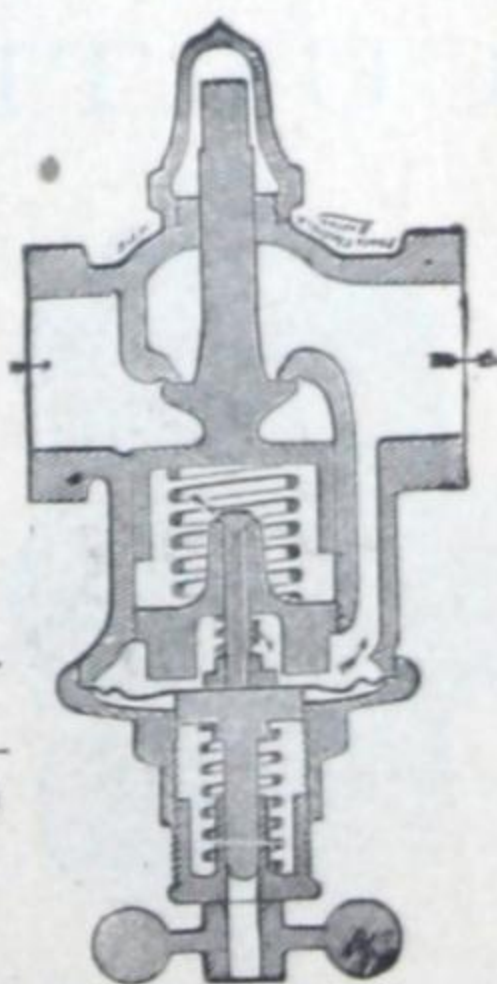


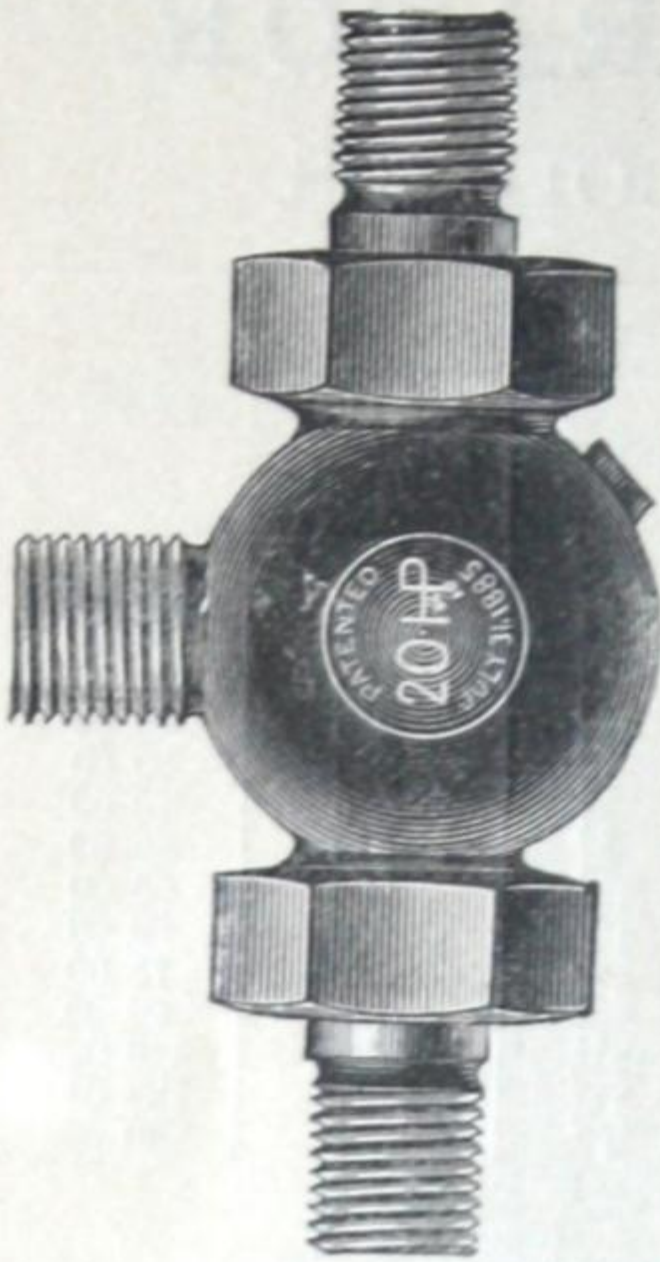
This Pressure Regulator will automatically control the pressure of *Steam*, *Water* or *Air*, at any point desired, regardless of the variation of the initial pressure. *Occupying no more space than any Globe Valve.*

This Regulator must not be conflicted with the ordinary Reduction Valves in the market, as its construction admits of creating positive action under all circumstances.

Lockup Attachment \$3.00 extra. Larger sizes made to order.

Size.	Price.	Size.	Price.	Size.	Price.
1 inch.	\$22 00	2½ inch.	\$57 00	6 inch.	\$180 00
1¼ "	28 00	3 "	72 00		
1½ "	35 00	4 "	100 00		
2 "	44 00	5 "	135 00		



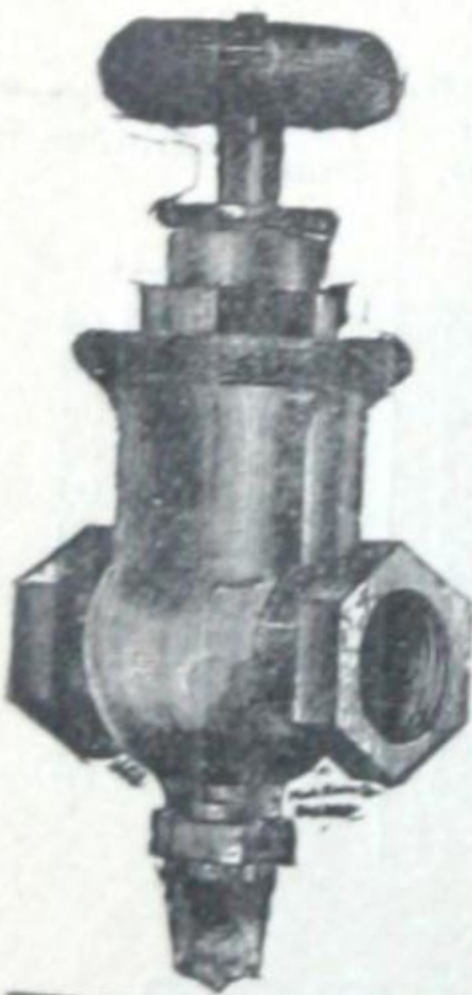


THE "LITTLE WONDER" INJECTOR.

Horse Power.....	10	20	40	60	80	120	150	200	250	300
Steam Pipe	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	1	1	$1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{4}$
Water Pipe.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$	1	1	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{1}{2}$
Feed Pipe	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$	1	1	1	1	$1\frac{1}{2}$	$1\frac{1}{2}$	2
Gallons per hour at 60 lbs. Steam,	75	150	300	450	600	900	1125	1500	1875	2350
Price	\$12	\$15	\$18	\$30	\$40	\$45	\$55	\$65	\$75	\$90

CURTIS PRESSURE REGULATOR.

For STEAM, WATER, or AIR.

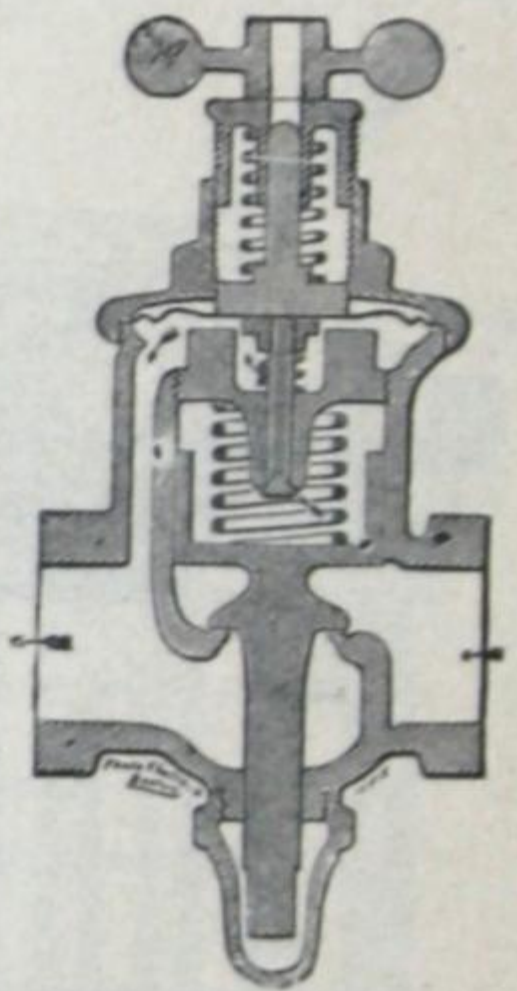


This Pressure Regulator will automatically control the pressure of *Steam, Water or Air*, at any point desired, regardless of the variation of the initial pressure. *Occupying no more space than any Globe Valve.*

This Regulator must not be confused with the ordinary Reduction Valves in the market, as its construction admits of creating positive action under all circumstances.

Lockup Attachment \$3.00 extra. Larger sizes made to order.

Size.	Price.	Size.	Price.	Size.	Price.
1 inch.	\$22 00	2½ inch.	\$57 00	6 inch.	\$180 00
1¼ "	28 00	3 "	72 00		
1½ "	35 00	4 "	100 00		
2 "	44 00	5 "	135 00		



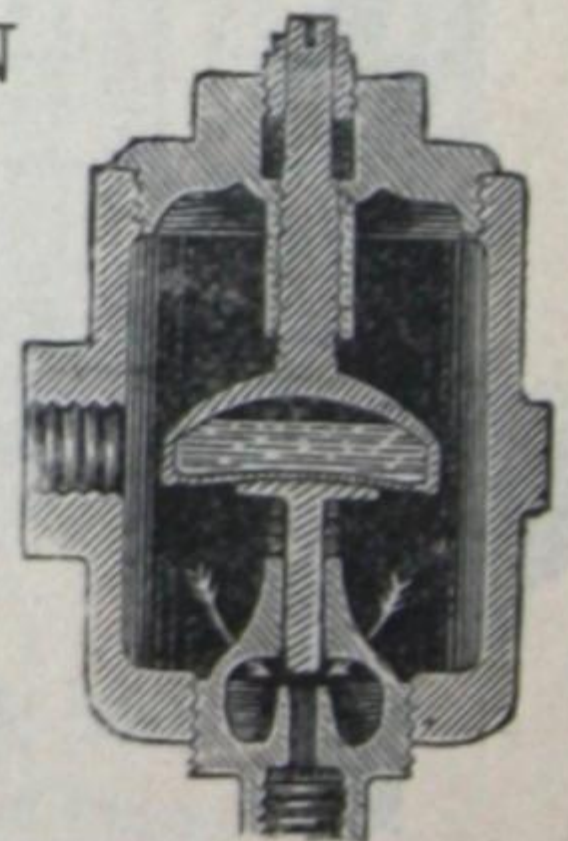
CURTIS EXPANSION TRAP.

FOR DRAINING, CONDENSATION IN
PIPES, COILS, ETC.

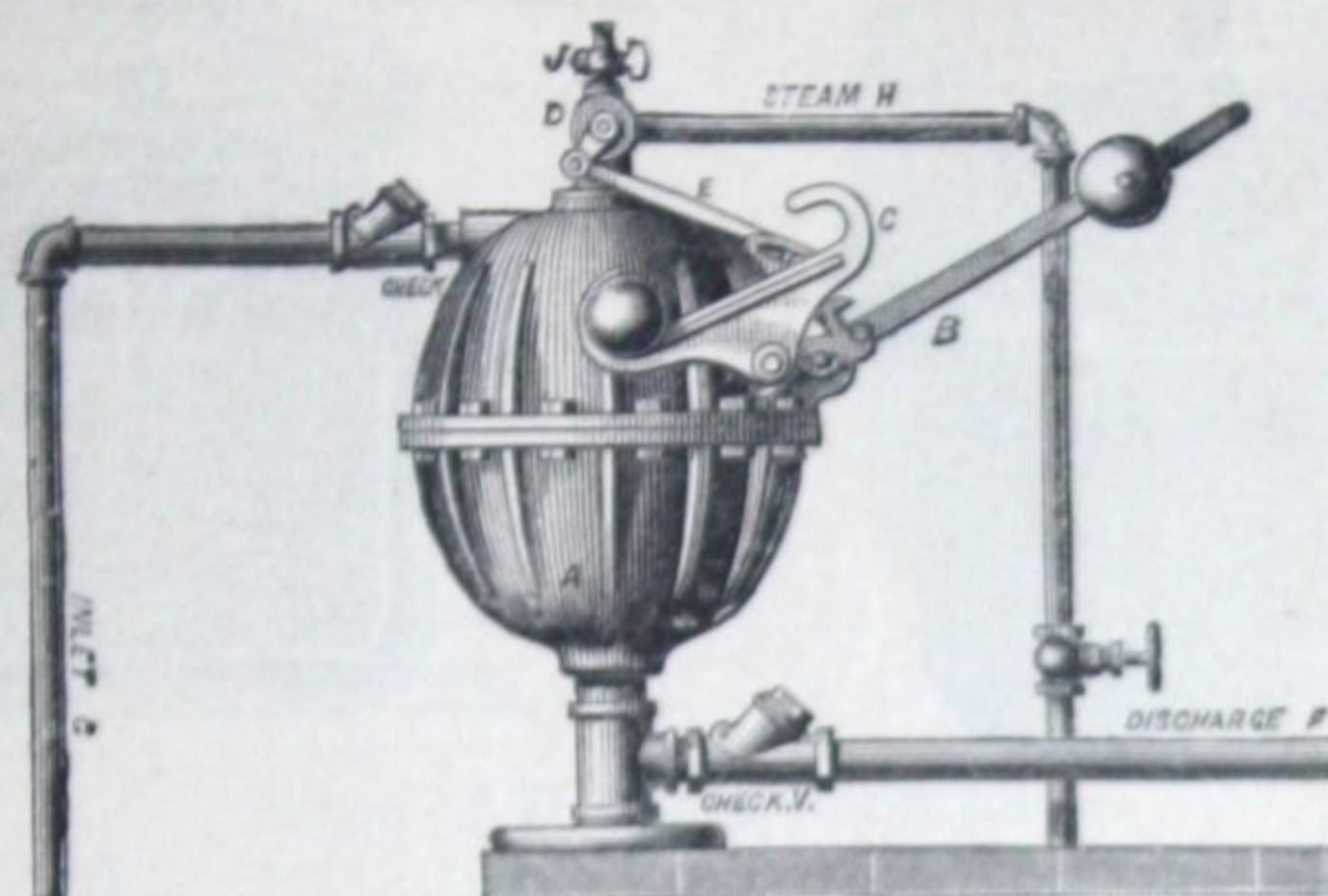


Condensing Capacity of One Inch Pipe.

No. 000,	200 ft.,	tapped for	$\frac{1}{2}$ inch	pipe,	price	\$10 00
" 00,	500 "	"	$\frac{1}{2}$ "	"	"	13 00
" 0,	1,000 "	"	$\frac{1}{2}$ "	"	"	18 00
" 1,	3,000 "	"	$\frac{3}{4}$ "	"	"	25 00
" 2,	7,500 "	"	1 "	"	"	35 00
" 3,	10,000 "	"	$1\frac{1}{2}$ "	"	"	30 00
" 4,	20,000 "	"	2 "	"	"	75 00



AUTOMATIC RETURN STEAM TRAP.



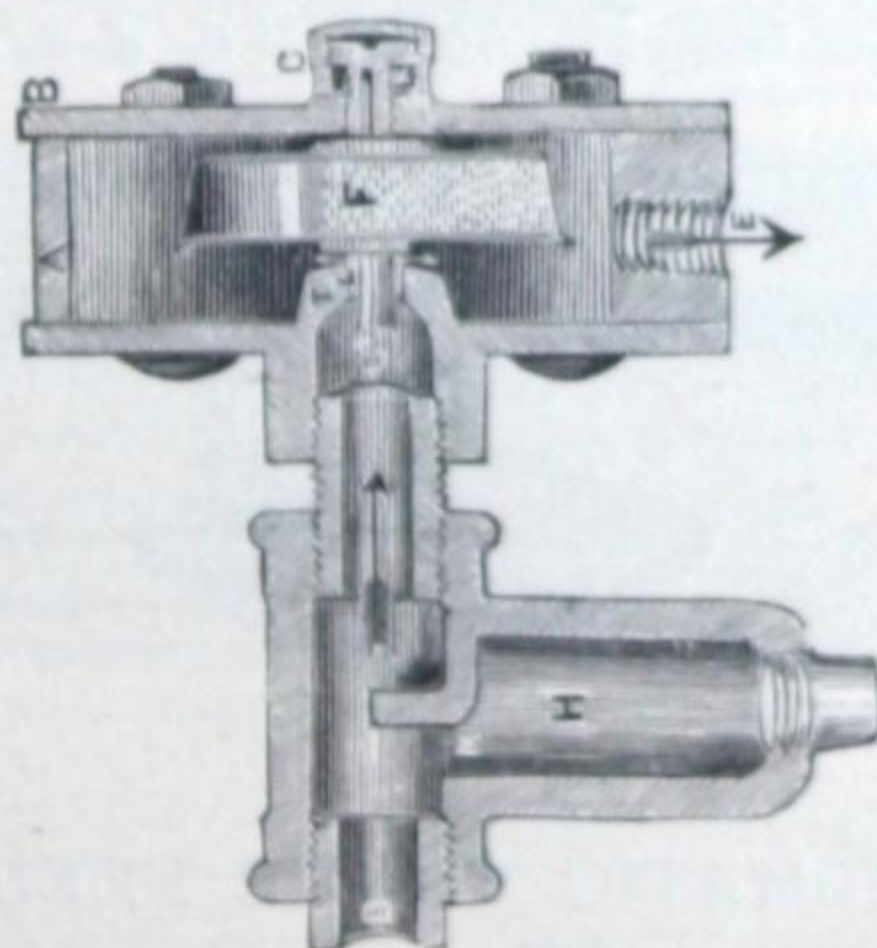
This Trap automatically drains the water of Condensation from Heating Coils, Steam Radiators, Drying Machines, Boiling Pans, and wherever Condensation occurs in steam pipes under pressure, (*whether above or below the Boilers which supply the steam*) returning the same direct to boiler.

No. 1 will drain	4,000 to 5,000 ft. of 1 in. pipe	.....	\$100 00
" 2 " "	8,000 to 10,000 " 1 "	.....	150 00
" 3 " "	15,000 to 20,000 " 1 "	.....	200 00
" 4 " "	30,000 to 40,000 " 1 "	.....	300 00

We recommend the Straightway Swinging Check Valves when using these Traps.

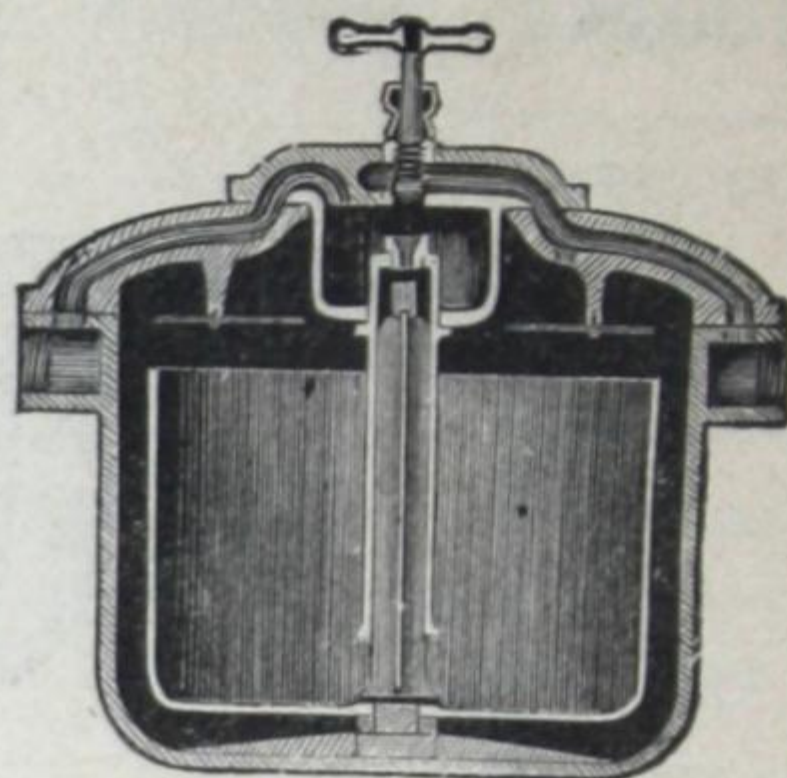
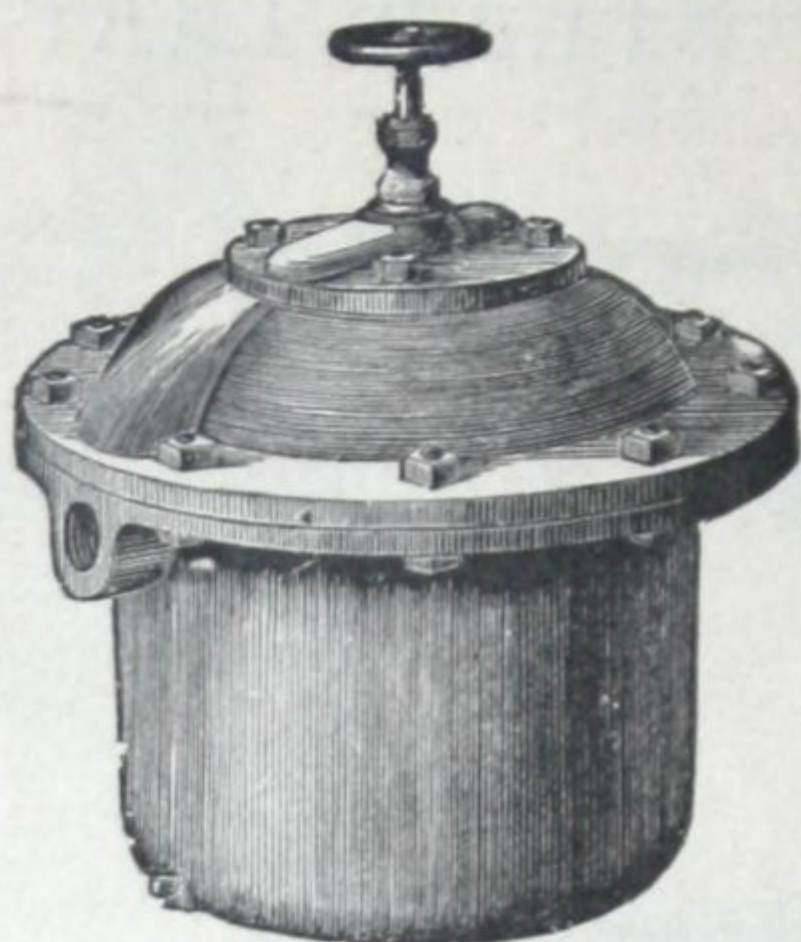
No. 1 Receiver	.....	Price, \$8 00	No. 3 Receiver	.....	Price, \$12 00
" 2 " "	.....	10 00	" 4 " "	.....	15 00

HAWES' STEAM TRAPS.



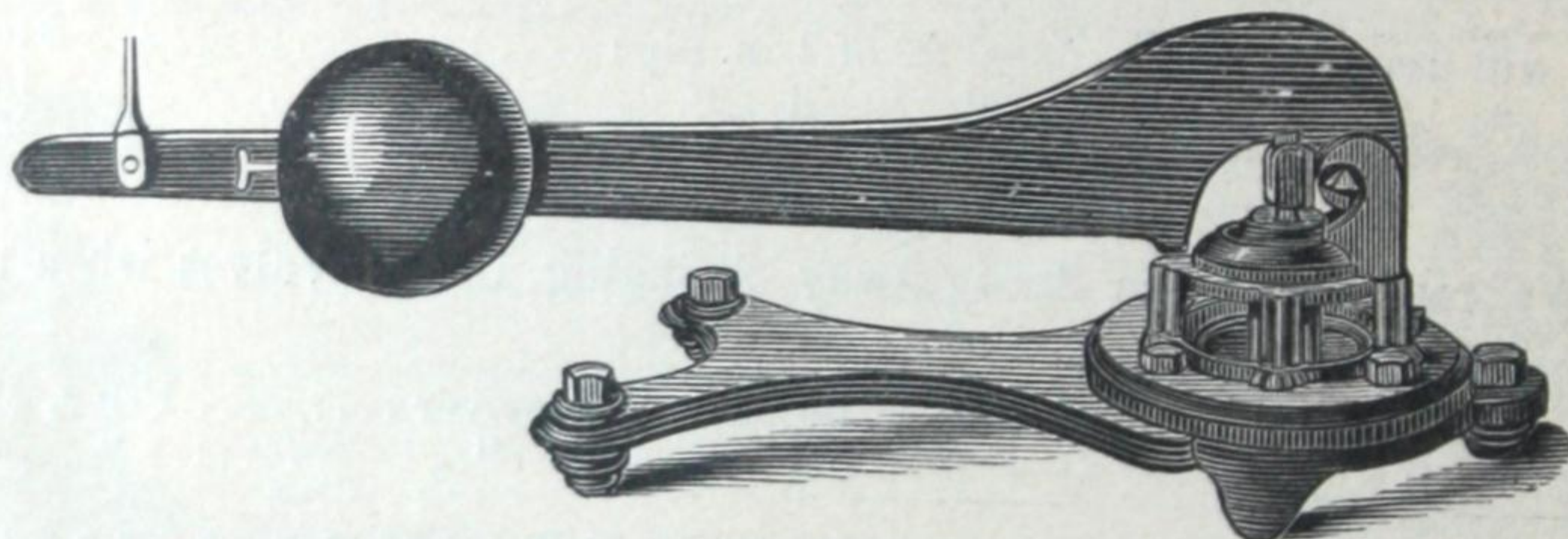
No. 1 tapped for	$\frac{1}{2}$ in. pipe, drains	500 ft. 1 in. pipe	.....	\$11 00
" 2 " "	$\frac{3}{4}$ " "	1,000 " 1 "	.....	16 00
" 3 " "	1 " "	2,000 " 1 "	.....	21 00
" 4 " "	$1\frac{1}{4}$ " "	4,000 " 1 "	.....	26 00
" 5 " "	$1\frac{1}{2}$ " "	20,000 " 1 "	.....	50 00
" 0 " "	$\frac{1}{4}$ " "	100 " 1 "	" glue pots and radiators,	6 00

CONDENSING STEAM TRAP.



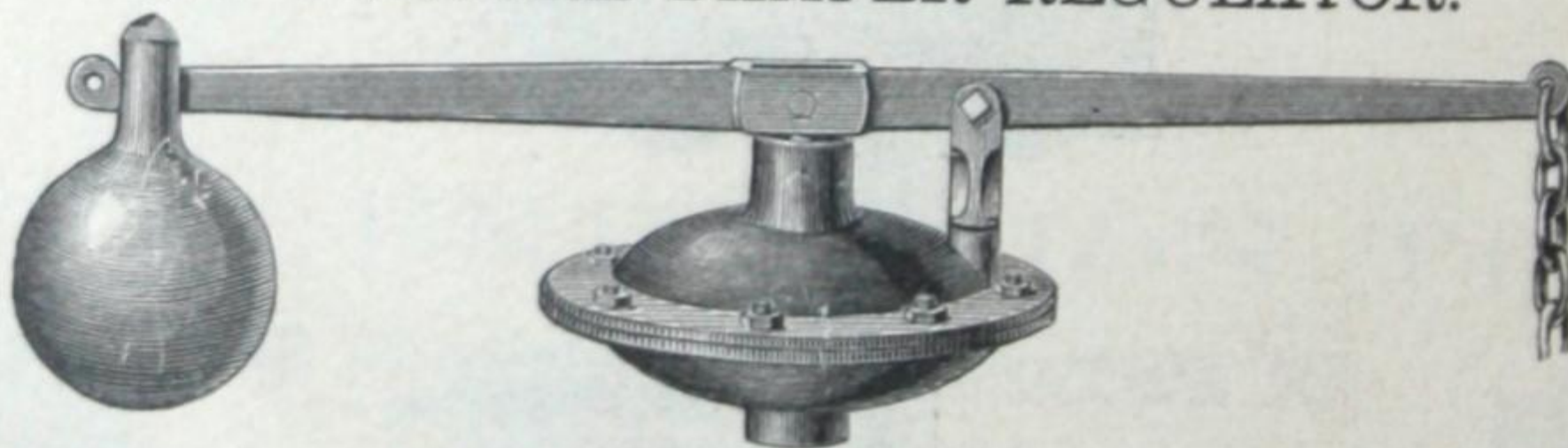
Number.....	1	2	3	4	5
Size of connections.....	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$ in
Greatest number of square feet of surface which they will drain	350	900	1400	2000	3500
Price.....	16.00	20.00	27.50	35.00	60.00

STEAM DAMPER AND FIRE REGULATOR.



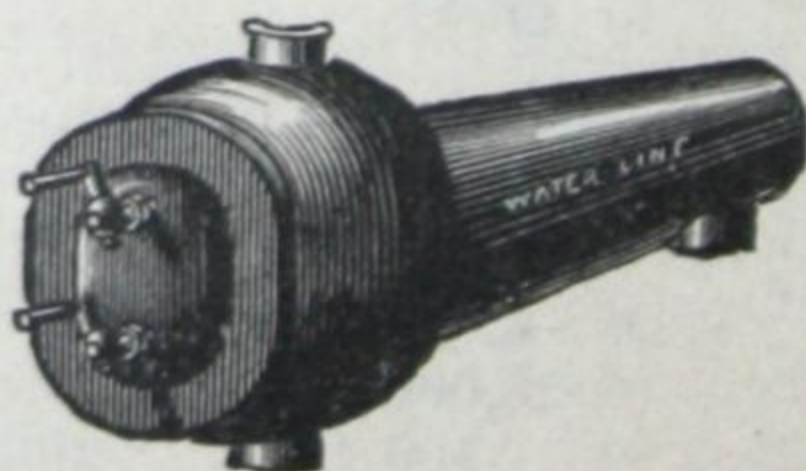
No. 1, For Boilers of 5 Horse Power and under.....	\$25.00
" 2, " " 20 " " " "	40.00
" 3, " " 30 " " " " above.....	50.00

LOW PRESURE DAMPER REGULATOR.

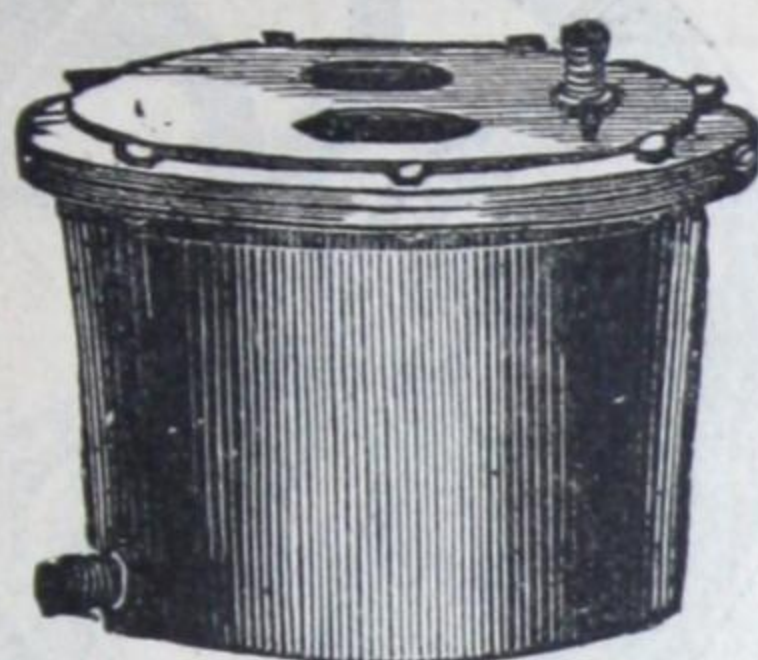


Price.....\$6.00

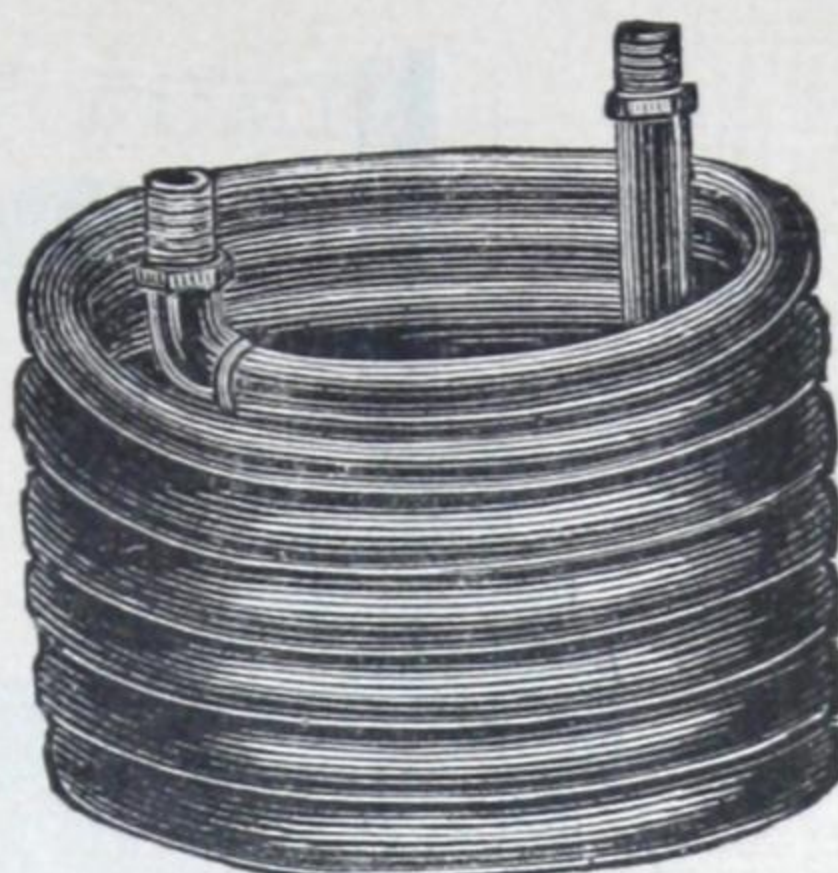
AUTOMATIC WATER FEEDER.



Price.....\$20.00.



FEED WATER HEATER.



HEATER COIL.

Price of Heaters—Complete.

Size of Pipe of Coil....	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2 in.
No. 1.....	15 00	20 00	25 00	40 00	60 00	125 00
No. 2.....	20 00	28 00	45 00	70 00	130 00	.....

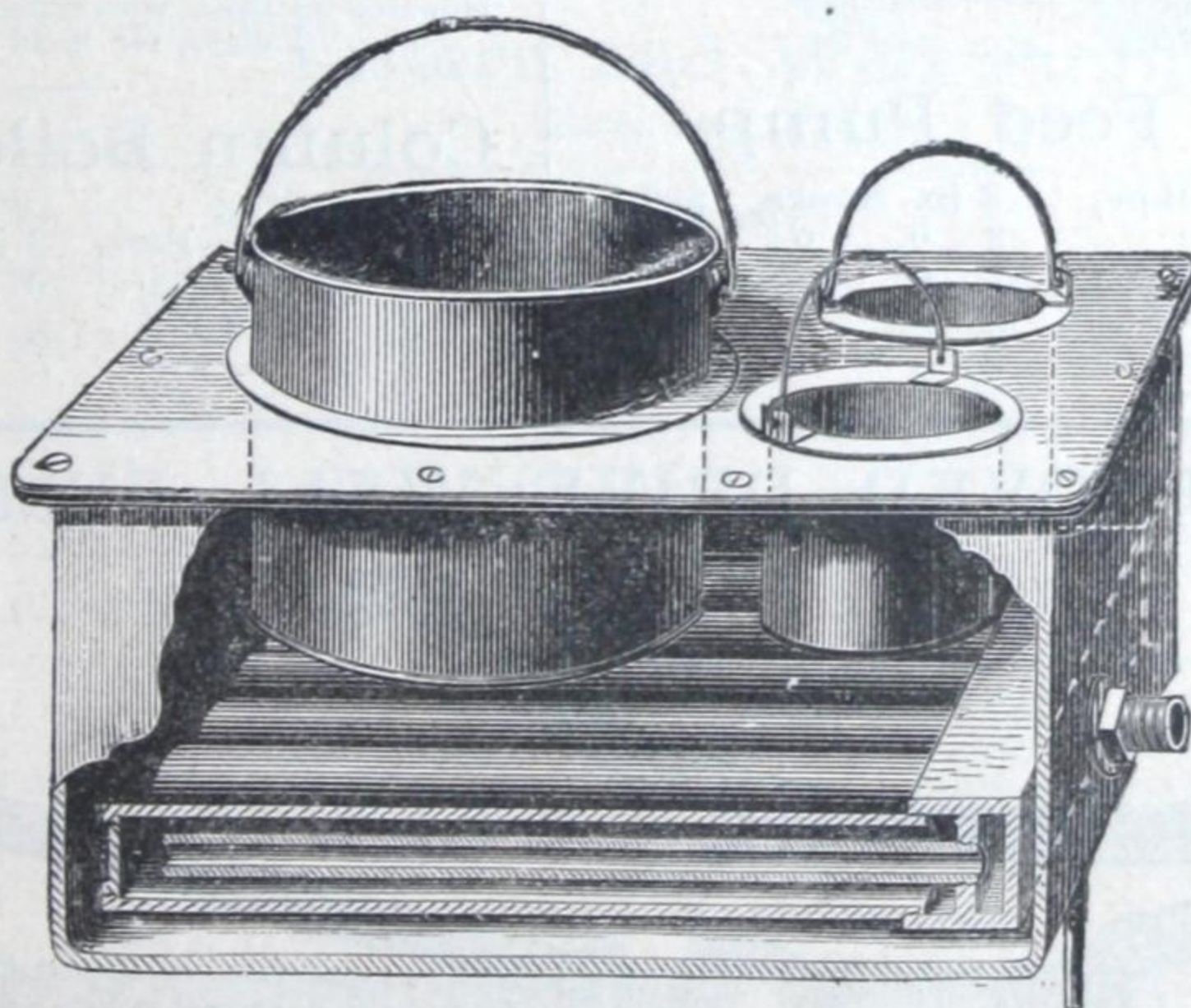
The No. 2 has a size larger pot than the No. 1, with a length of coil corresponding, and are much more effective
Made only to order.

Coils for Heaters.

Size of Pipe	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2 in.
Price.....	6 00	10 00	12 00	18 00	25 00	50 00
Price of Coiled Pipe, per foot ..	0 20	0 30	0 40	0 50	0 60	0 80

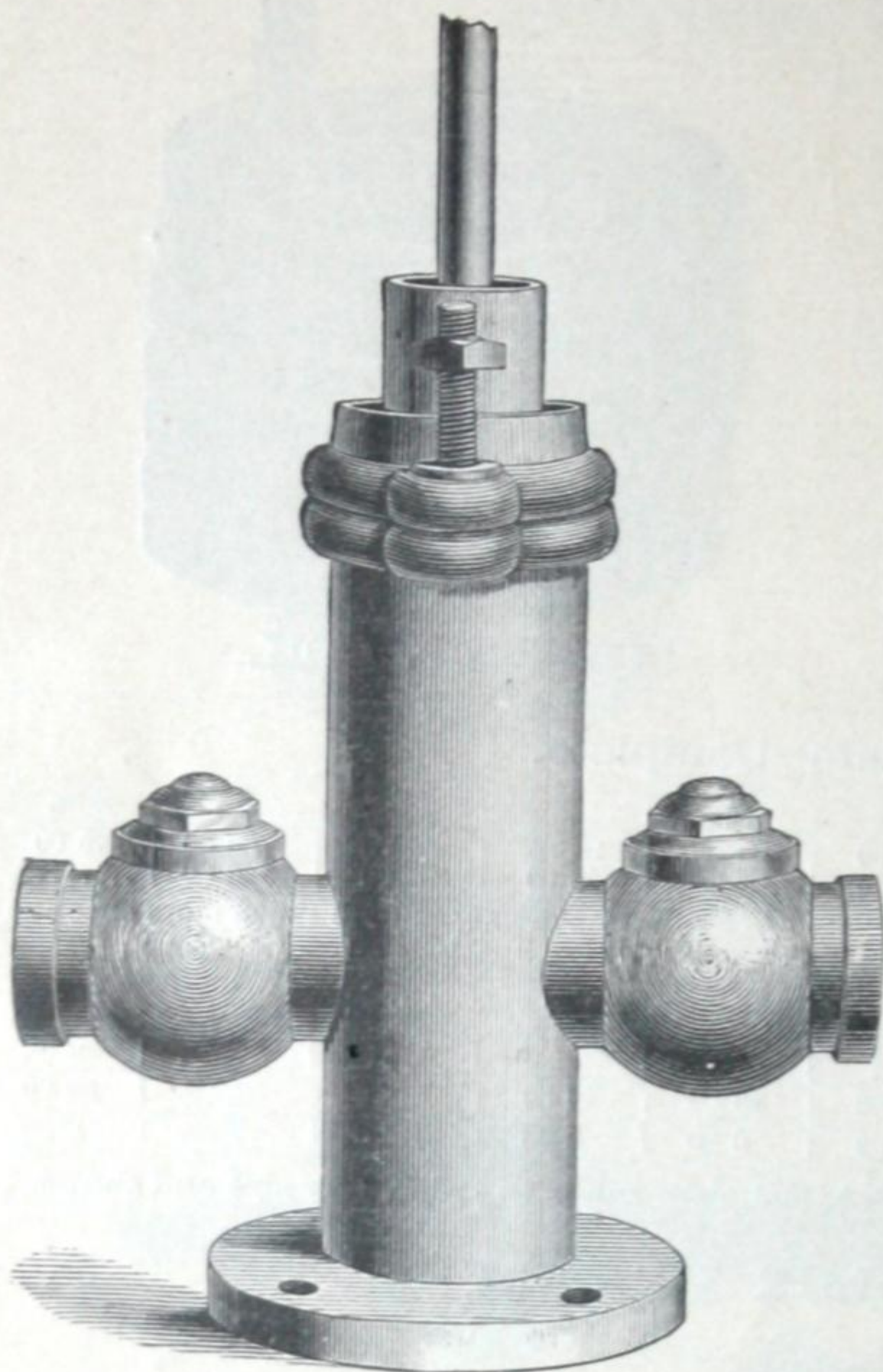
COILS for STILLs, SOAP KETTLES, FURNACES, &c., made to order, any size and shape.

IMPROVED GLUE HEATER.



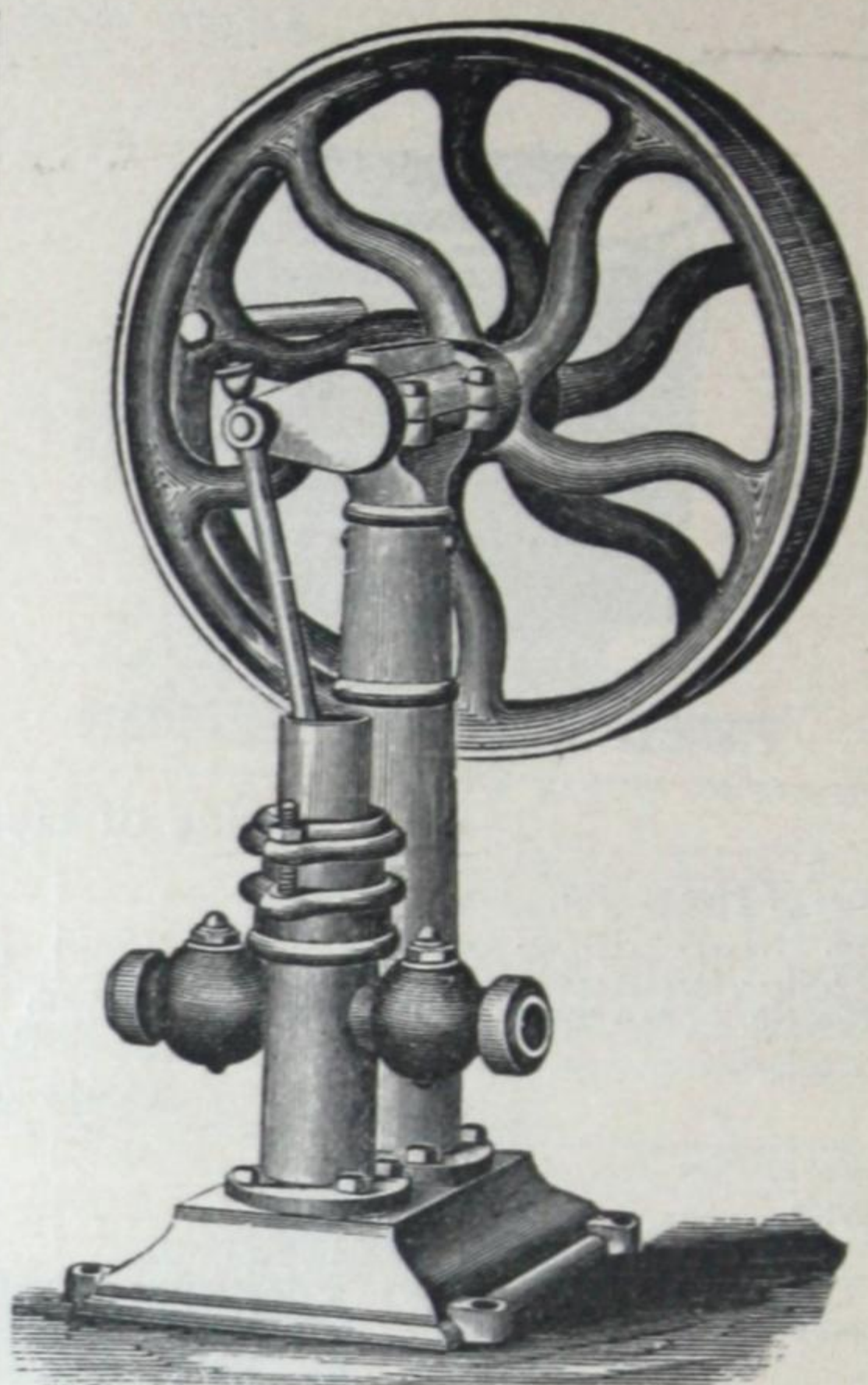
Size of Cover.....	11x15½ in	16x22½ in.	16x28¾ in.		
Depth	7 in.	9 in.	9 in.		
Size and Number of Pots, which can be fitted to each size.	Two 5 in., or One 8 in., or One 9 in.	Six 5 in., or One 10 in., and Two 5 in.	Two 12 in., or One 12 in., and Four 5 in., or Eight 5 in.		
Price without Pots	No. 1, \$8 00	No. 2, \$16 00	No. 3, \$20 00		
COPPER POTS—Size.....	5x5 in.	8x7½ in.	9x7½ in.	10x8 in.	12x8 in.
Price, each.....	\$2 25	3 75	4 25	5 00	6 00

5 in. Pots of Cast Iron, galvanized, 75 cents each.



Boiler Feed Pump.

No. 0,	1 1/4 in.	Bore,	3 in.	Stroke,	\$12 00
" 1,	1 1/2 "	"	3 "	"	16 00
" 2,	2 "	"	3 "	"	20 00
" 3,	2 1/2 "	"	6 "	"	25 00
" 4,	3 "	"	6 "	"	35 00

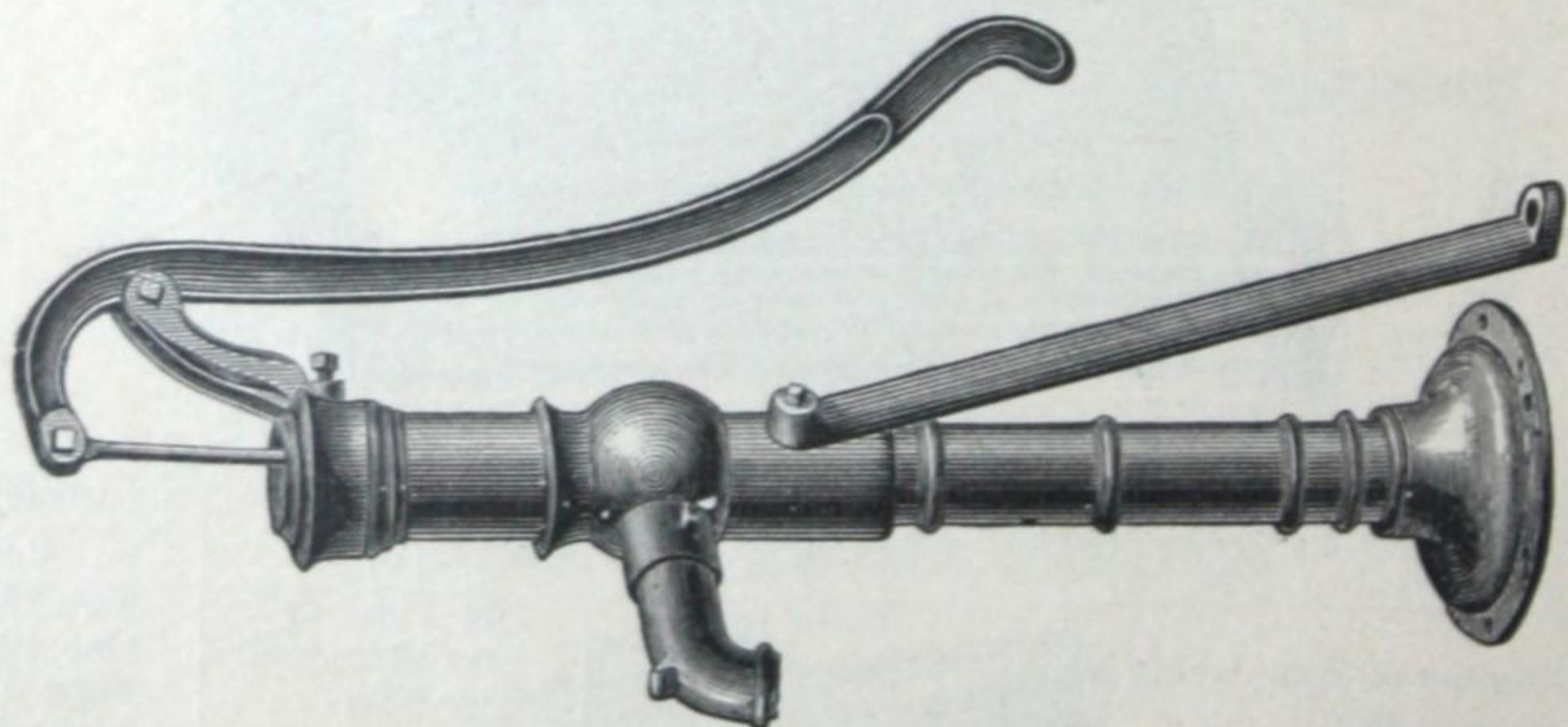


Mounted on Base, with Column, Crank Shaft and Pulleys, for hand or power.

Column Boiler Pump.

No. 1, .. 2	in.	Bore, .. 3	in.	Stroke, ..	\$30 00
" 2, .. 2	"	" .. 6	"	" ..	35 00
" 3, .. 3 1/2	"	" .. 6	"	" ..	40 00
" 4, .. 3	"	" .. 6	"	" ..	50 00

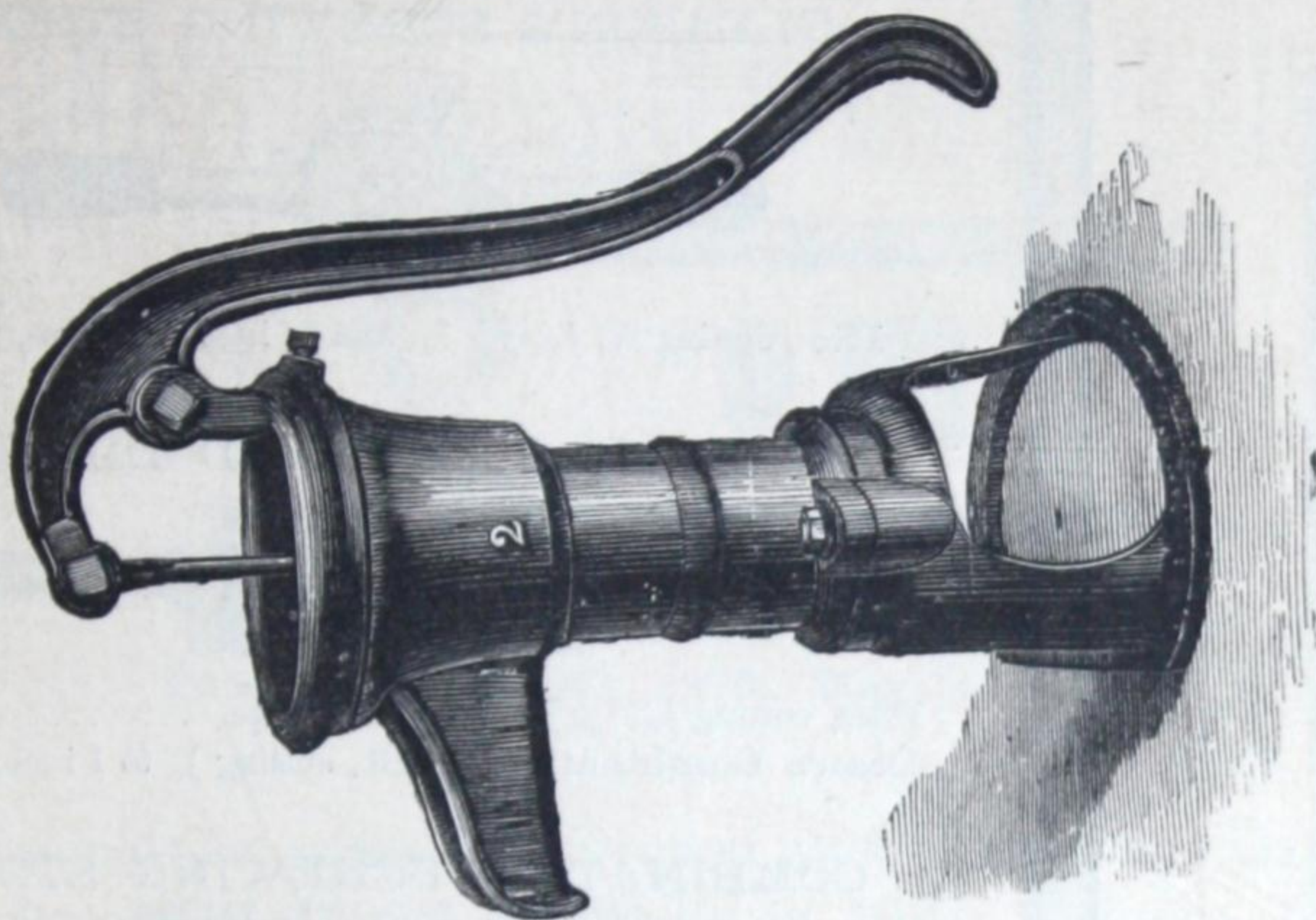
IMPROVED DRIVE WELL PUMP.



SIZES AND PRICES

No. 2,	2 1/2 in.	Cylinder, with	3 ft. 1 1/4 in	Wrought Iron Set Length, each,	\$8 00
" 3,	2 3/4 "	"	3 " 1 1/4 "	" " " "	8 25
" 4,	3 "	"	3 " 1 1/4 "	" " " "	8 75

Without Set Length, 50 Cents less on List.



No. 1,	2½ in. bore,	for 1 or 1¼ in. pipe,	each	\$4 25
No. 2,	3 " "	11¼ or 1½ "	"	4 75
No. 3,	3½ " "	11¼ or 1½ "	"	5 25
No. 4,	4 " "	1½ or 2 "	"	5 75

Sizes and Prices.

No. 0, 2 in. bore, for $\frac{3}{4}$ or 1 in. pipe	each,	\$3 50
No. 1, $2\frac{1}{4}$ " " $\frac{3}{4}$ or 1 "	"	4 00
No. 2, $2\frac{1}{2}$ " " 1 or $1\frac{1}{4}$ "	"	4 50
No. 3, $2\frac{3}{4}$ " " $1\frac{1}{4}$ or $1\frac{1}{2}$ "	"	5 00
No. 4, 3 " " $1\frac{1}{2}$ or $1\frac{3}{4}$ "	"	5 50
No. 5, $3\frac{1}{4}$ " " $1\frac{3}{4}$ or 2 "	"	6 50
No. 6, $3\frac{1}{2}$ " " 2 or $2\frac{1}{4}$ "	"	8 00

STEAM POWER AND HAND PUMPS, of every description,
for Mills, Factories, Houses, Ships, Wells, etc., at manufacturers' prices and discounts.

DRIVE WELL POINTS.

1 $\frac{1}{4}$ in., 30 in. long, each \$5 00	1 $\frac{1}{4}$ in., 42 in. long, each \$7 00	2 in., 36 in. long, each \$15 00
1 $\frac{1}{4}$ " 36 " " " 6 00	1 $\frac{1}{2}$ " 30 " " " 7 50	2 $\frac{1}{2}$ " 42 " " " 20 00
		3 " 36 " " " 25 00

DRIVE CAPS.

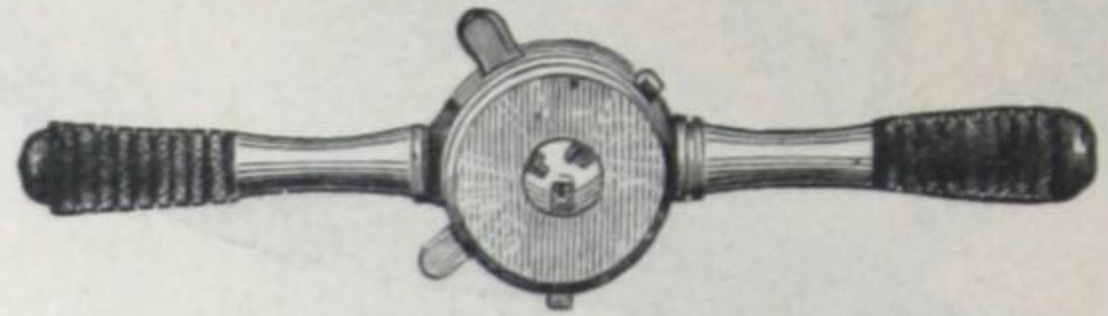
Size	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3 in.
Price	0 60	0 75	0 90	1 55	1 75	2 50

Extra Heavy Couplings for Drive Pipe.

Size	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3 in.
Price	0 15	0 25	0 30	0 40	0 60	0 80

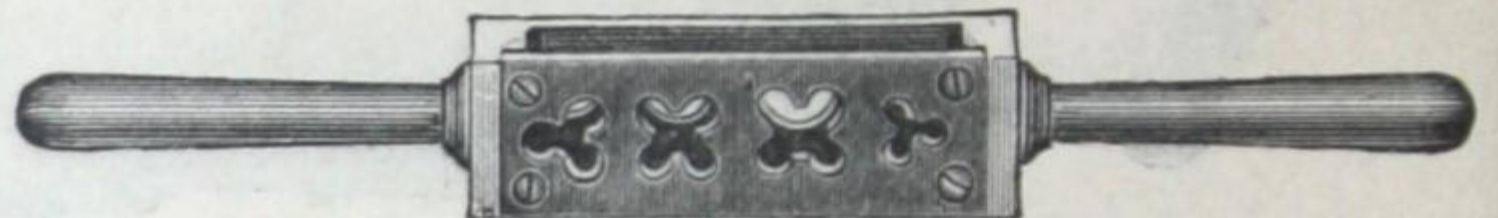
STOCKS AND DIES.

GLEASON'S SCREWING STOCKS.



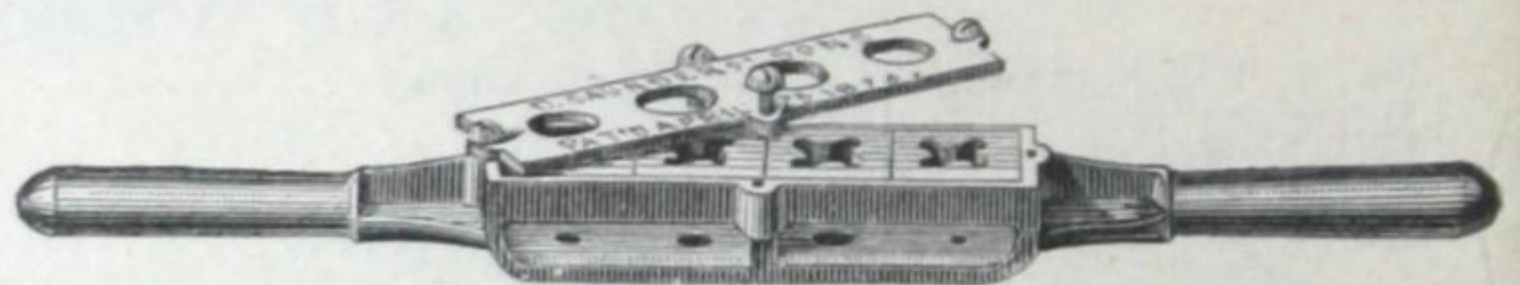
Price, cutting $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, and $\frac{7}{8}$ in. Brass Pipe, \$10 00.

SOLID PLATE AND DIES.

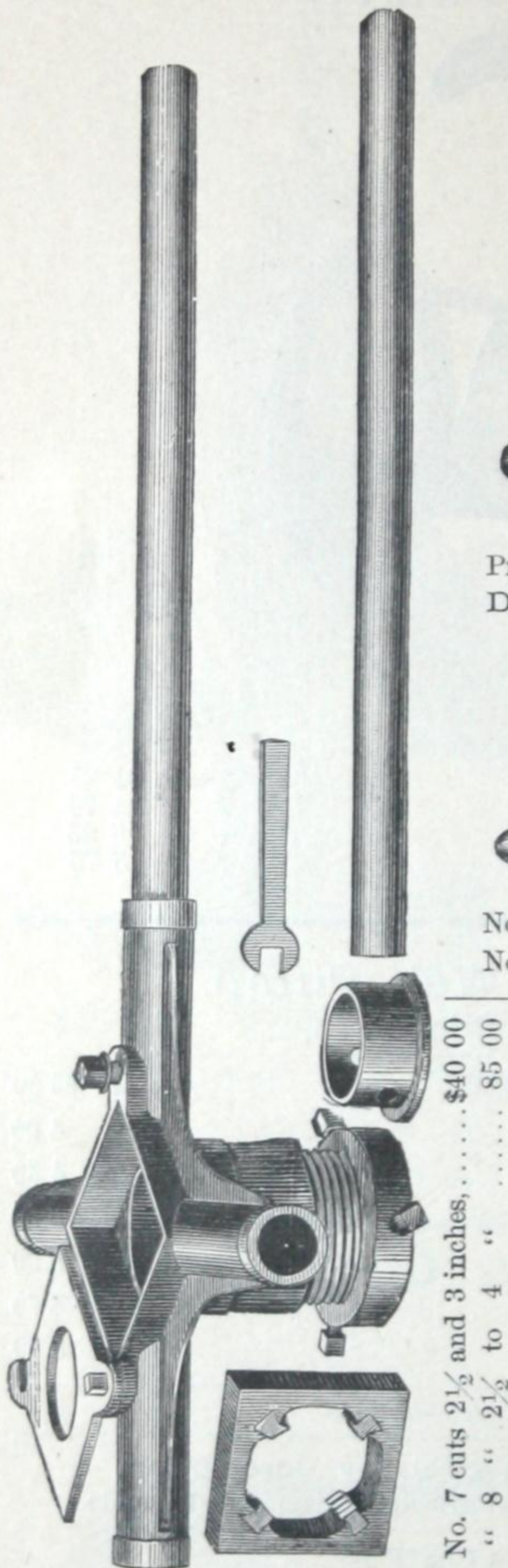


Price, cutting $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$ and $\frac{1}{2}$ inch Pipe, \$7 00
Dean's Combination Stock, cutting $\frac{1}{8}$ to 1 inch, .. 10 00

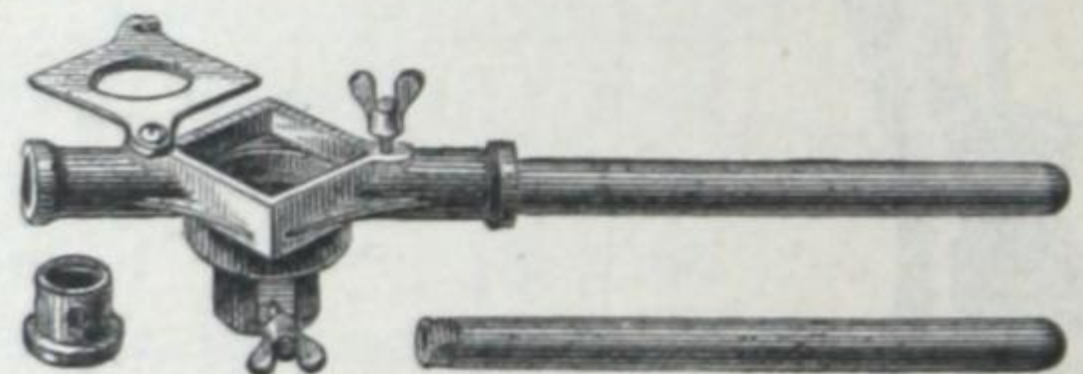
COMBINATION SCREWING STOCK. WITH LOOSE DIES.



No. 1 cuts $\frac{1}{8}$ to $\frac{1}{2}$ inch, \$8 00
No. 2 " $\frac{1}{2}$ to 1 " 9 00



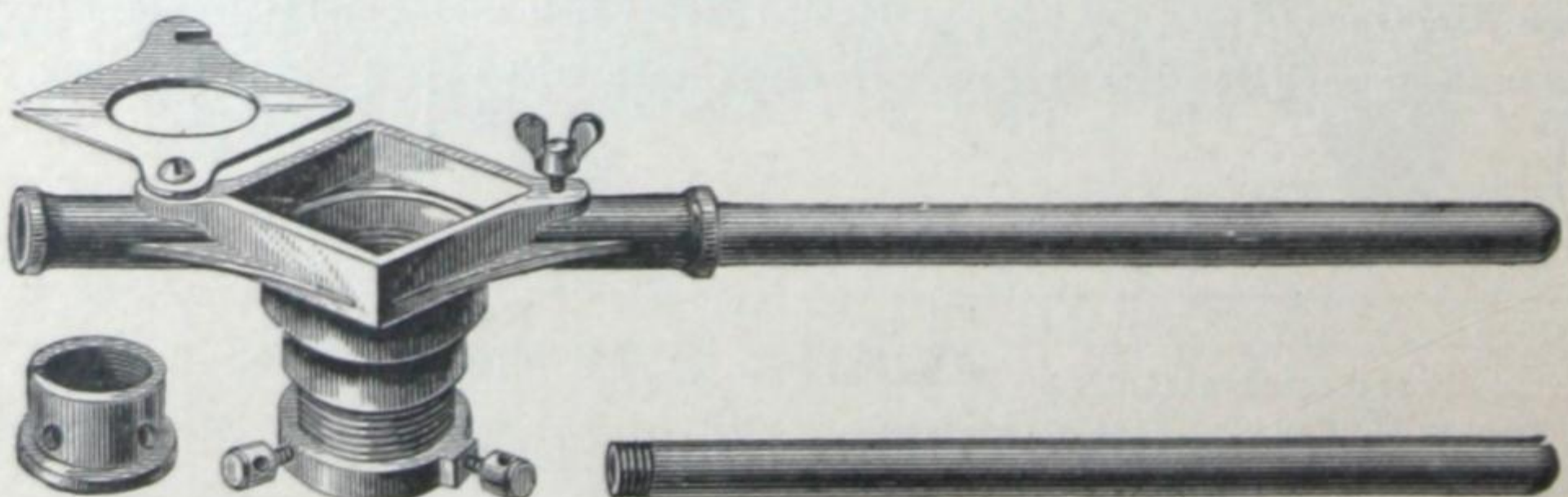
No. 7 cuts $2\frac{1}{2}$ and 3 inches, \$40 00
" 8 " $2\frac{1}{2}$ to 4 " 85 00



Stocks and Dies Complete.

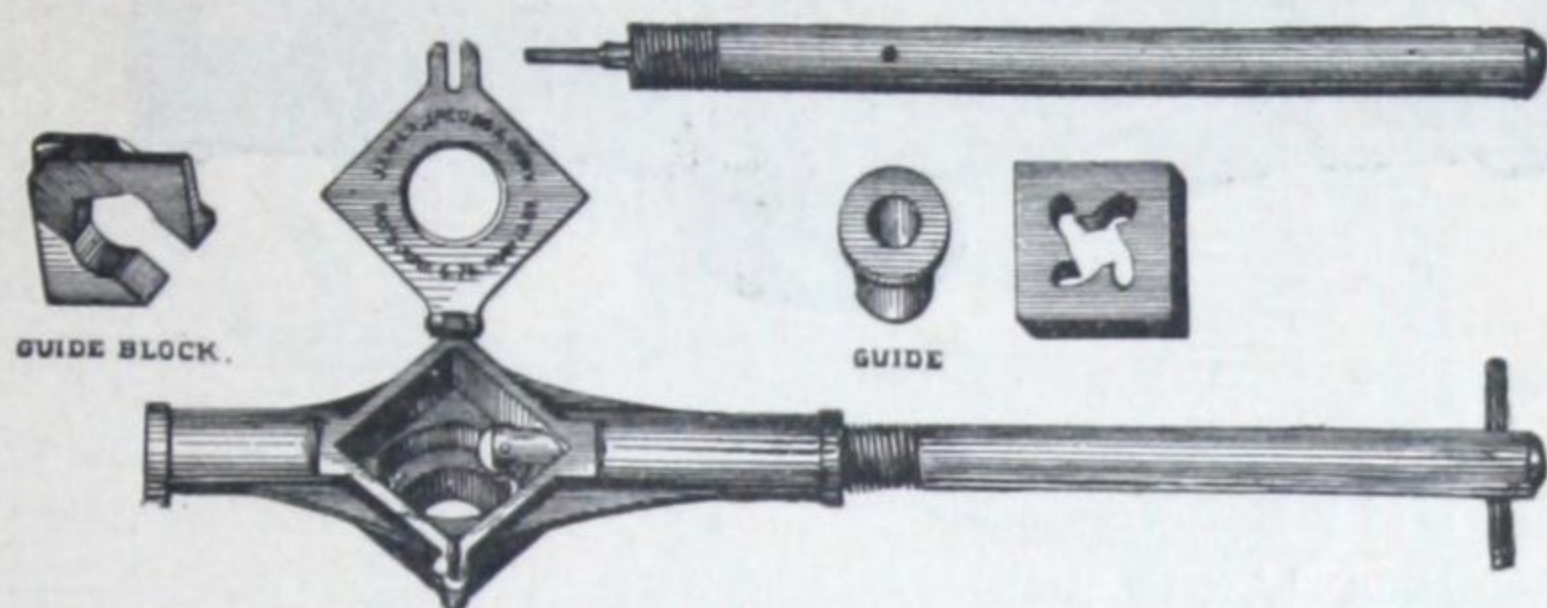
No. 1 cuts $\frac{1}{8}$ to $\frac{1}{2}$ inch, \$6 50
" 2 " $\frac{1}{4}$ to 1 " 10 00
" 3 " $\frac{1}{8}$ to 1 " 12 00
" 4 " $\frac{3}{4}$ to $1\frac{1}{4}$ " 10 00

Nos. 5, 6, 7 and 8 have *Leader Screws*.



No. 5 cuts $1\frac{1}{4}$ to 2 inch, \$16 00
No. 6 " 1 to 2 " 20 00

IMPROVED COMBINATION DIE STOCK AND PIPE CUTTER.



Patented June 20th, 1876. May 10th, 1881.

These tools are adapted for general use by Steam and Gas Fitters, Machinists and Engineers, especially in Mills, Factories, Breweries, etc., *where they do their own pipe fitting.*

It is equally efficient as the separate tools, and *costs less.*

The changes are quickly made, *it being self-contained.* To cut off, it is simply necessary to substitute the Guide Block for the die.

They are made of wrought and malleable iron, are light and strong, and weigh no more than the ordinary stock.

The cutting tool is the ordinary wheel cutter, of standard size, and when worn out can be readily replaced.

The cover, holding in place the die, *lifts up*, and is secured by a hinge. There are no screws to drop out, as with the swinging cover.

Should any of the parts wear out they can be readily replaced, as *all parts are made interchangeable.*

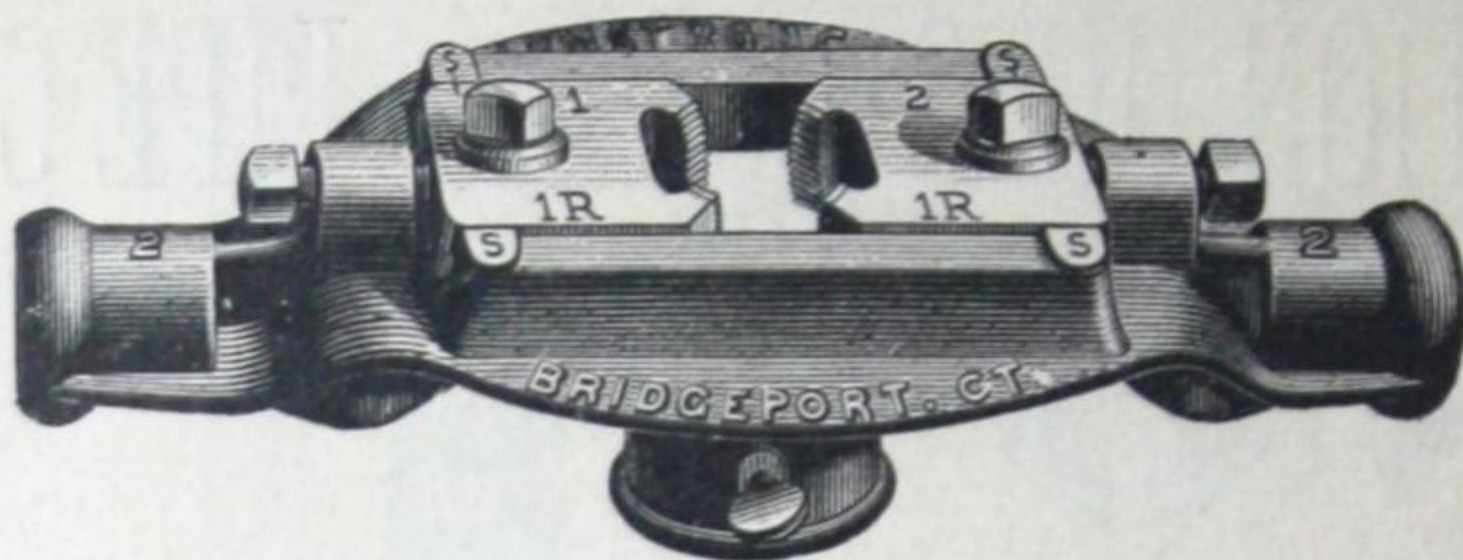
Stocks may be ordered *without dies* if desired.

With each tool are sent full instructions, which are *so simple* that it can be readily operated.

PRICES.

STOCK, cuts off from $\frac{1}{8}$ to 1 inch, inclusive,	\$5 50
“ with dies, $\frac{1}{4}$ to 1 inch, “	12 00
EXTRA DIES,	1 50
EXTRA GUIDES for Stock,	0 25
EXTRA WHEELS for Stock,	0 15

ARMSTRONG'S ADJUSTABLE STOCK AND DIES FOR PIPE AND BOLTS.



No. 1 Stock, 4 Pipe Dies, $\frac{1}{8}$ to $\frac{1}{2}$	each	\$ 9 00
" 1 " 7 Bolt " $\frac{1}{4}$ to $\frac{3}{4}$	"	15 00
" 1 " 4 Pipe and 7 Bolt Dies.	"	20 00
" 2 " 5 Pipe Dies, $\frac{1}{4}$ to 1 inch,	"	12 00
" 3 " 4 Dies, 1 to 2 inches,	"	24 00

MAGIC SCREW PLATES.

No. 1, with Cut-off and Dies for threading, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{3}{4}$..	each	\$16 00
" 2, " " " " " " $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, 1 and $1\frac{1}{4}$..	"	20 00
" 3, " " " " " " $\frac{1}{2}$, $\frac{3}{4}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$ and 2 ..	"	28 00
" 4, " " " " " " $1\frac{1}{2}$, 2, $2\frac{1}{2}$ and 3 ..	"	45 00
" 5, " " " " " " $2\frac{1}{2}$, 3, $3\frac{1}{2}$ and 4 ..	"	60 00



BROCK'S PATENT PIPE WRENCH.

Number	0	1	2	3	4	5
Size of Pipe adapted to	$\frac{1}{8}$ to $\frac{3}{4}$	$\frac{1}{8}$ to $1\frac{1}{2}$	$\frac{1}{4}$ to $2\frac{1}{2}$	$\frac{3}{4}$ to 4	$1\frac{1}{2}$ to 8	2 to 14
Price,	2 50	3 50	5 50	7 50	11 00	18 00

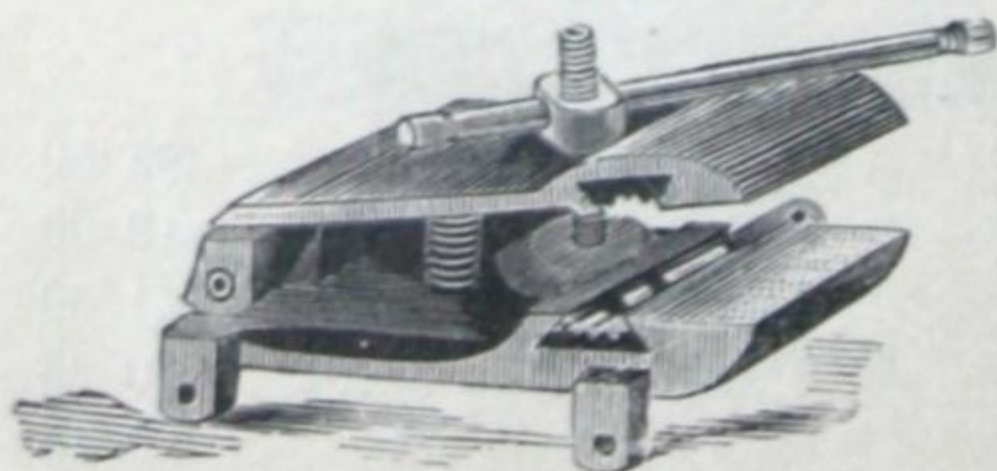
EAGLE ANVILS.

Numbers,	0	1	2	3	4	5	6	7	8	9
Weight, lbs.	10	15	20	30	40	50	60	70	80	90
Price,	3 50	4 25	5 00	5 50	6 50	7 50	8 00	9 00	10 00	10 50

10 lbs. and over, 11c. per. lb.

Peter Wright's Imported Anvils,..... per lb.

The "Handy" Combination Bench and Pipe Vise.

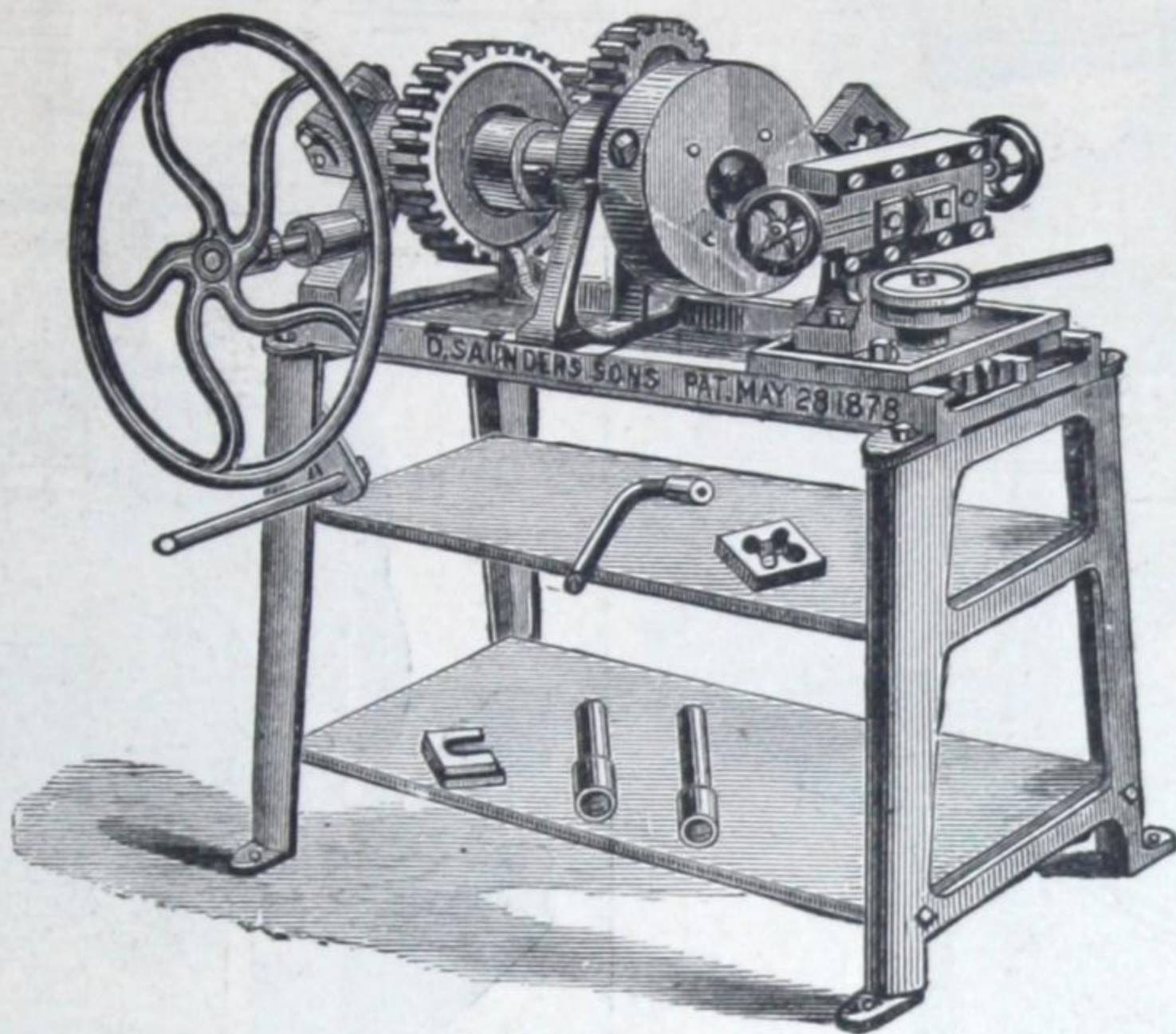


This most convenient little Vise is made entirely of Refined CAST STEEL, the jaws for pipe being finely tempered, and when worn down can be replaced with new ones in a few moments at a small expense.

The Vise weighs but 9 lbs., and will take pipe from $\frac{1}{8}$ to $1\frac{1}{2}$ and will hold firmly a shorter Nipple than any other pipe vise made. Price, \$6.00.

The I X L Pipe Cutting Machine.

These Machines are Offered as being
LESS EXPENSIVE,
MORE SUBSTANTIAL,



MORE THOROUGHLY FITTED,
And Better Adapted to
General Use, than any in the Market.

PRICE LIST.

With Dies, $\frac{1}{4}$ to 2 inch, Fly Wheel, and Nipple Sockets, for Hand Use... \$90.00

With Dies, $\frac{1}{4}$ to 2 inch, Fly Wheel, Pulleys, Counter Shaft and Nipple Sockets, for use by Power..... \$110.00

An attachment for cutting Bolts and Nuts can be fitted to these Machines, at a slight additional cost.

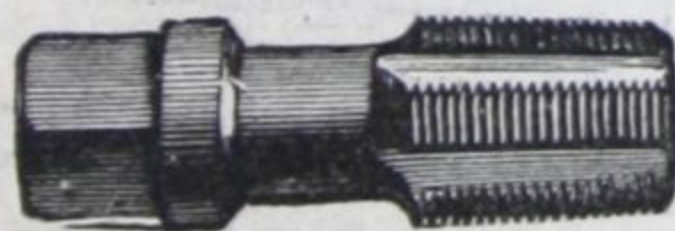
A Large Saving of Labor is Effected by this Machine.

SIMPLE IN CONSTRUCTION, EASY TO WORK, AND NOT LIABLE TO GET OUT OF ORDER, REQUIRING NO SKILLED LABOR.

SOLID DIES, RIGHT OR LEFT.

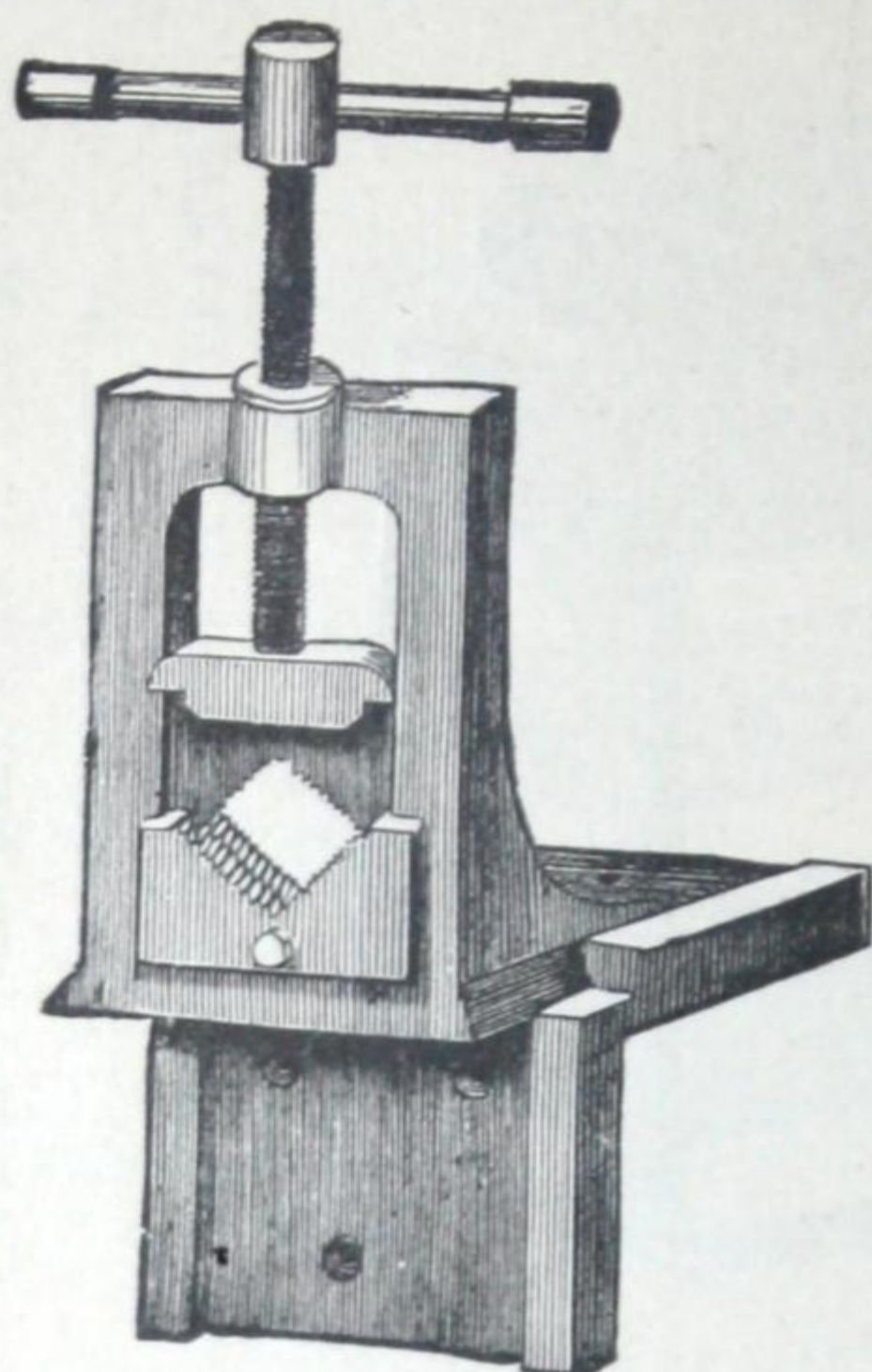
Dimensions,	$\frac{1}{2}$ x 2 in.	$\frac{3}{4}$ x 2 $\frac{1}{2}$ in.	$\frac{3}{4}$ x 3 in.	1 x 4 in.	1 $\frac{1}{4}$ x 5 in.
Size,	$\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$.	$\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, 1.	$\frac{1}{2}$, $\frac{3}{4}$, 1, 1 $\frac{1}{4}$.	1, 1 $\frac{1}{4}$, 1 $\frac{1}{2}$.	2 $\frac{1}{2}$ x 3 in.
Price.	1 25	1 75	2 25	3 00	10 00

TAPS AND REAMERS.



Size.....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3 in.
Taps, Right or Left, each	1 12	1 25	1 50	1 87	2 50	3 12	3 75	4 62	6 25	10 50	15 00
Reamers, each	1 12	1 15	1 50	1 87	2 50	3 22	3 73	4 62	6 25	10 50	15 00

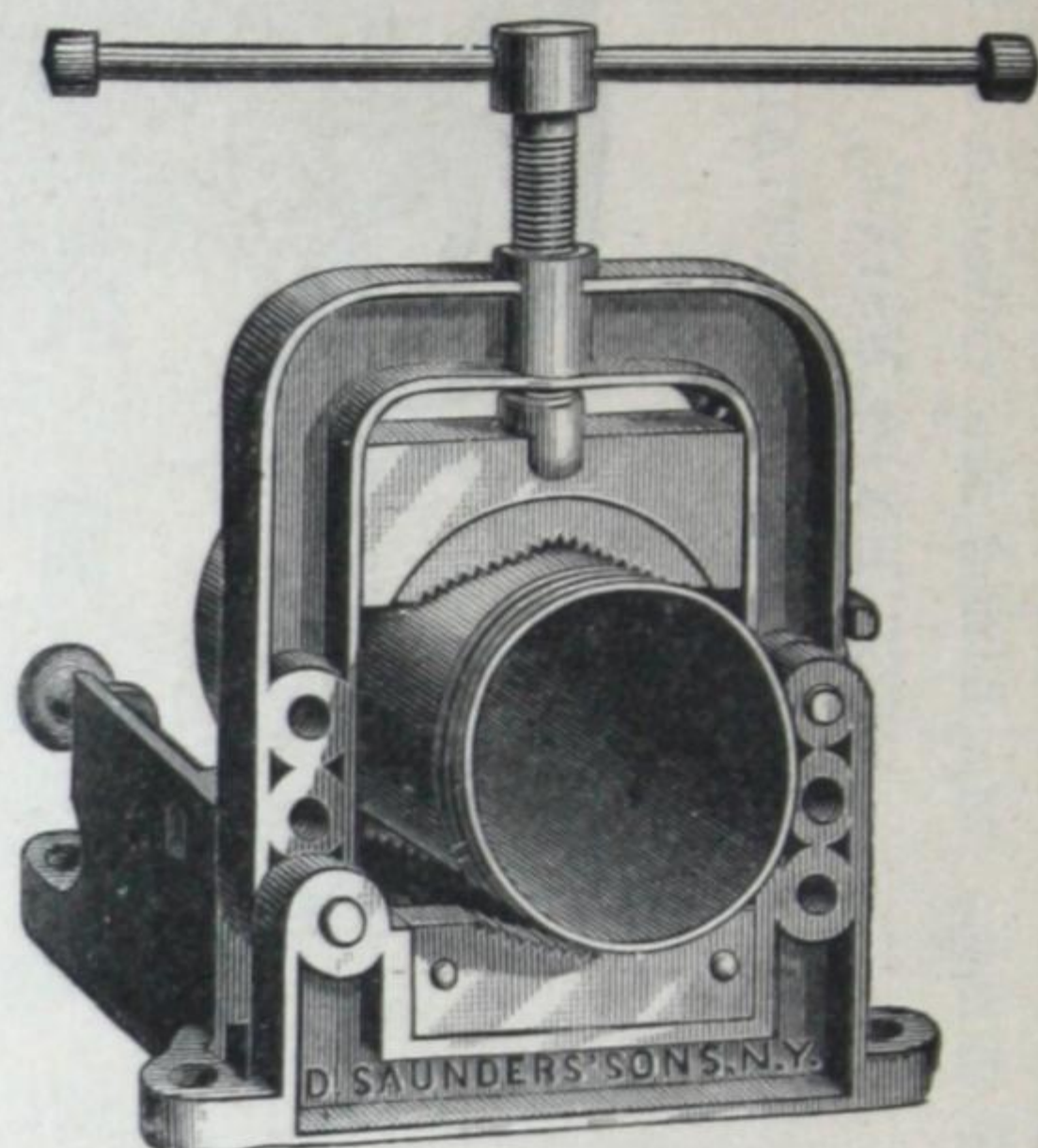
PIPE VISES.



Common Vise.

With Angle Plate.

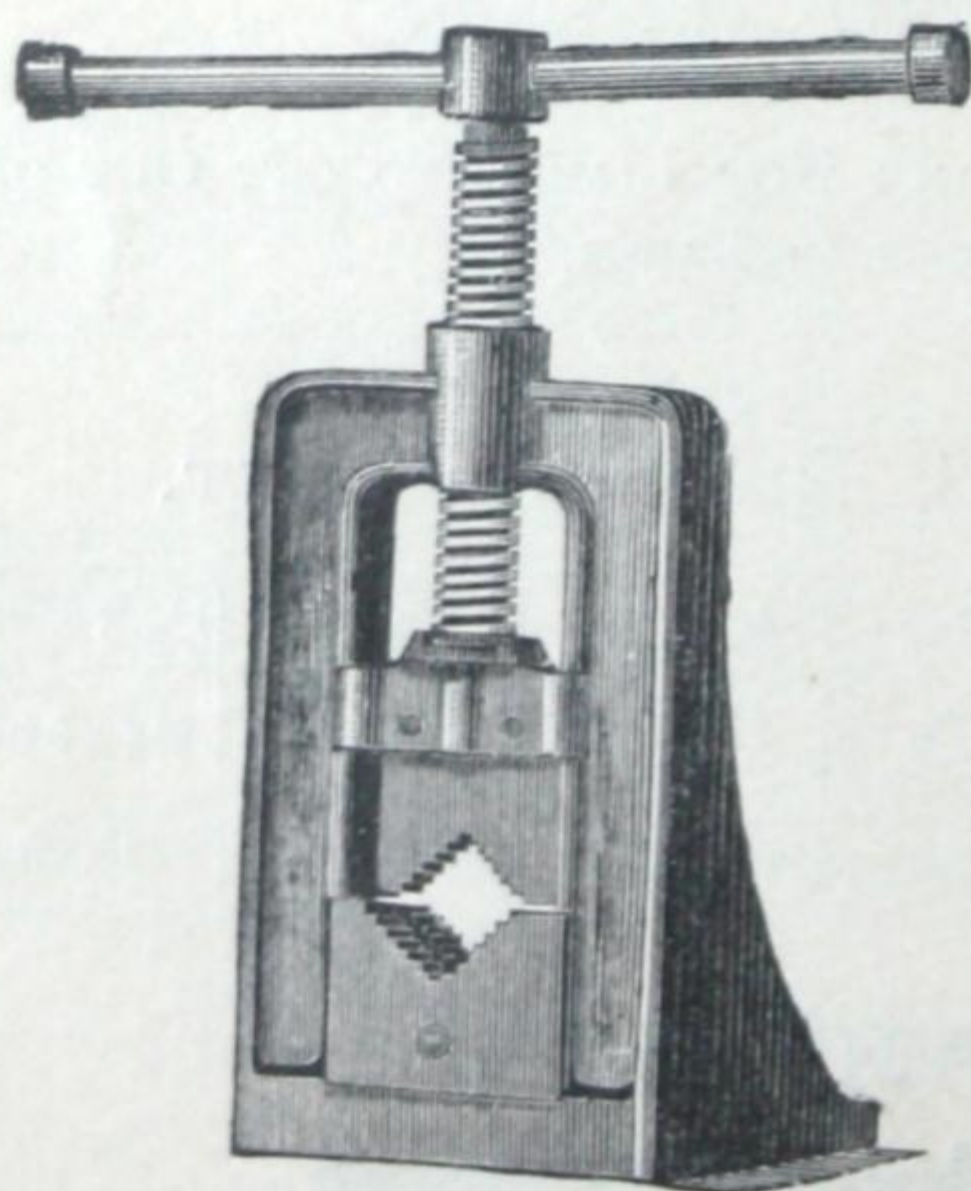
No. 1	holds	$\frac{1}{8}$ to 2 inches	.....	\$12 00
" 2	"	$\frac{1}{2}$ to 3 "	.....	16 00
" 3	"	$\frac{1}{2}$ to 4 "	.....	28 00



Open Jaw Vise.

Malleable Iron.

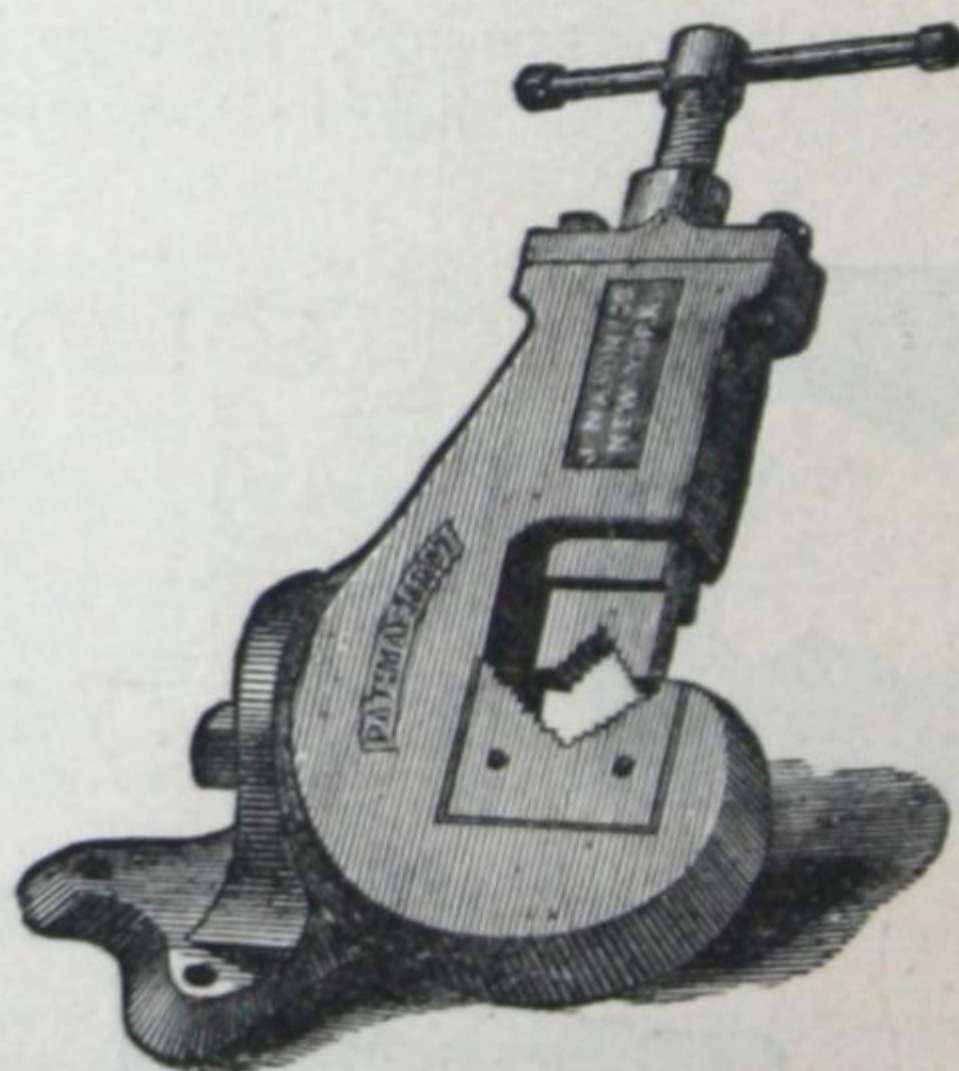
No. 3	holds	1 to 4 inches	.....	\$20 00
" 4	"	2 to 6 "	.....	30 00



Malleable Iron Vise.

Light and Strong.

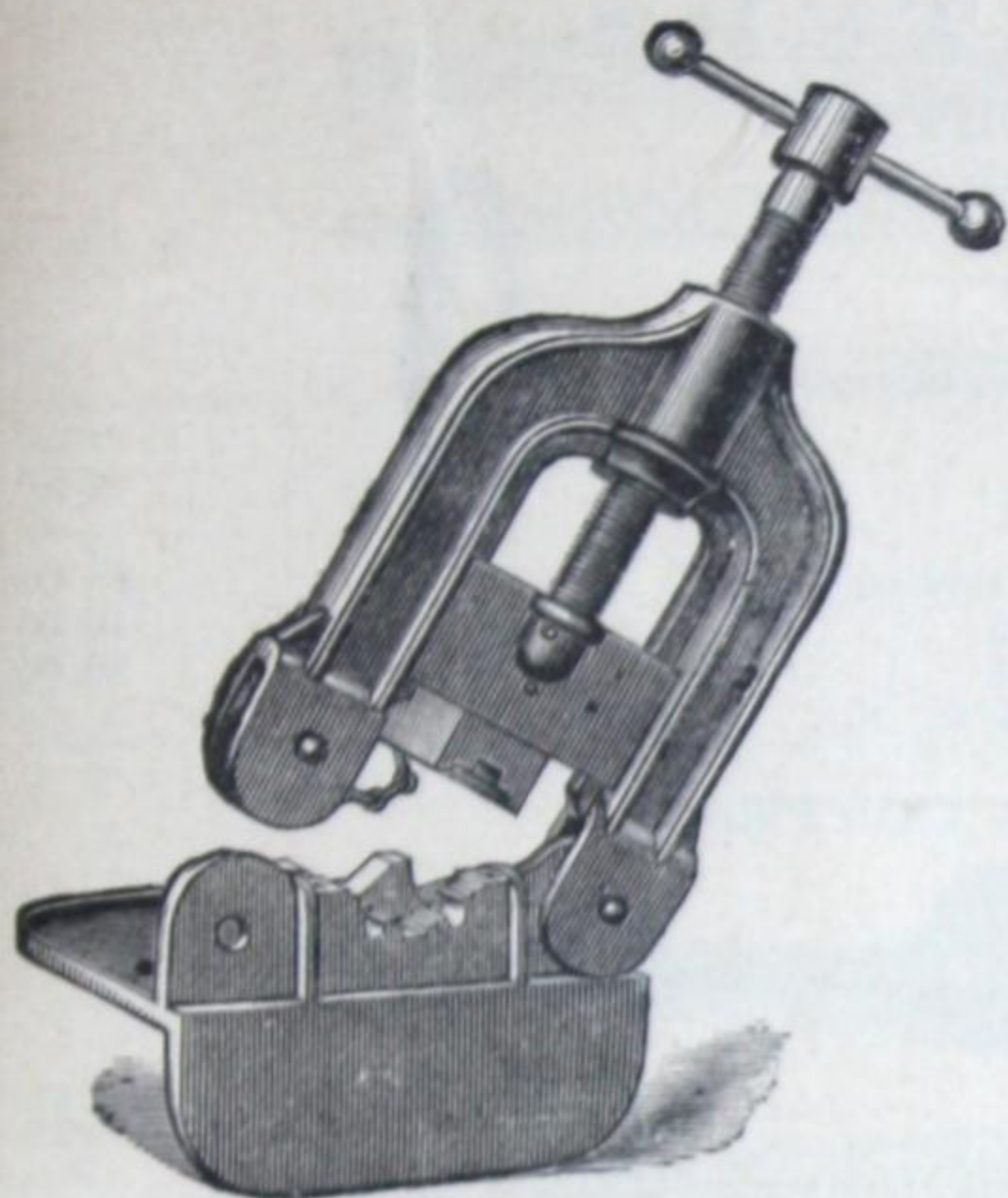
No. 1	holds	$\frac{1}{8}$ to 2 inches	.....	\$8 00
" 2	"	$\frac{1}{2}$ to 3 "	.....	12 00



Nason's Patent Vise.

Open Jaw and Swivel.

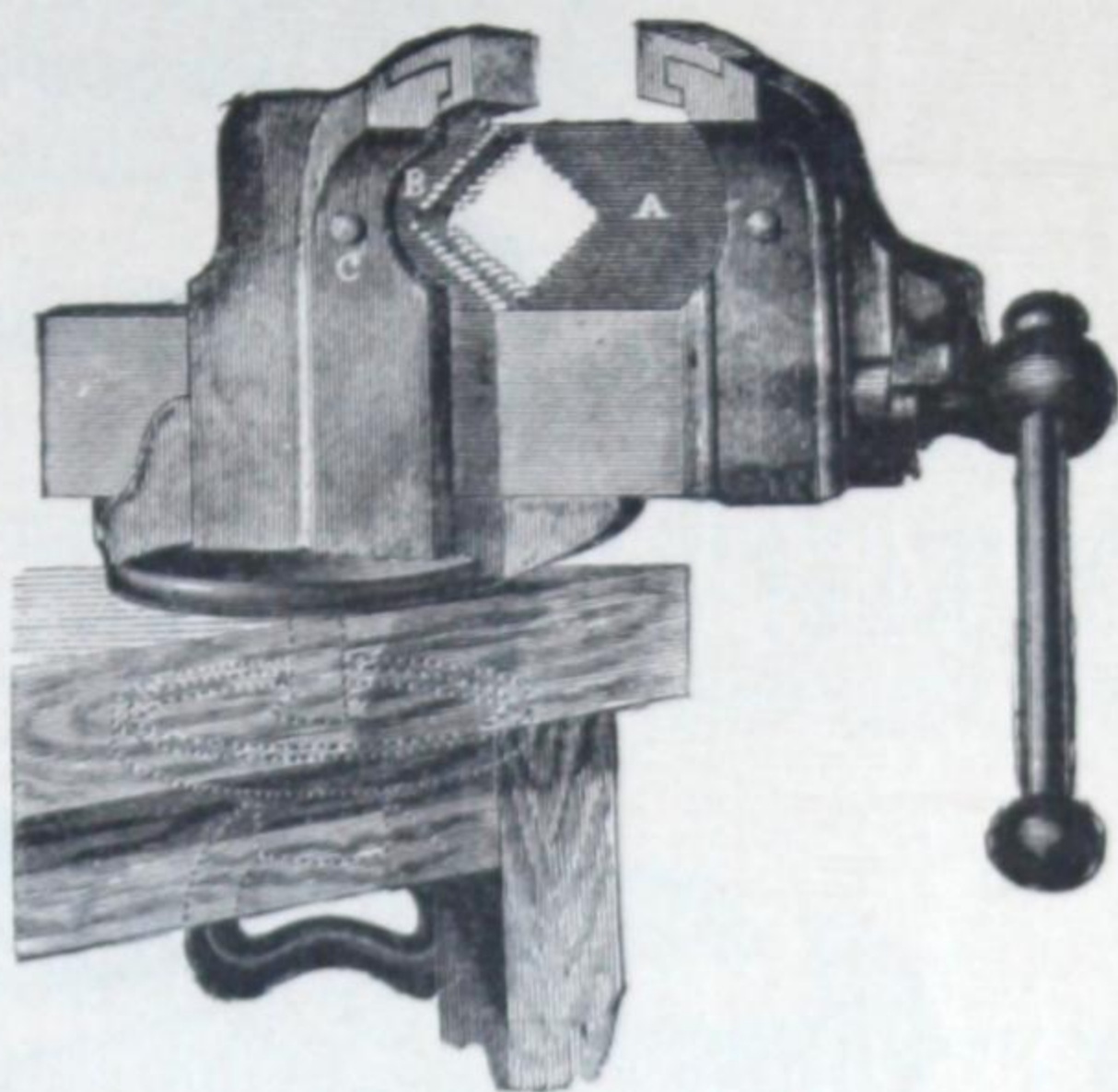
No. 1	holds	$\frac{1}{8}$ to $1\frac{1}{4}$ inches	.....	\$15 00
" 2	"	$\frac{1}{8}$ to 2 "	.....	18 00
" 3	"	$\frac{1}{4}$ to 3 "	.....	30 00



Open Jaw Vise.

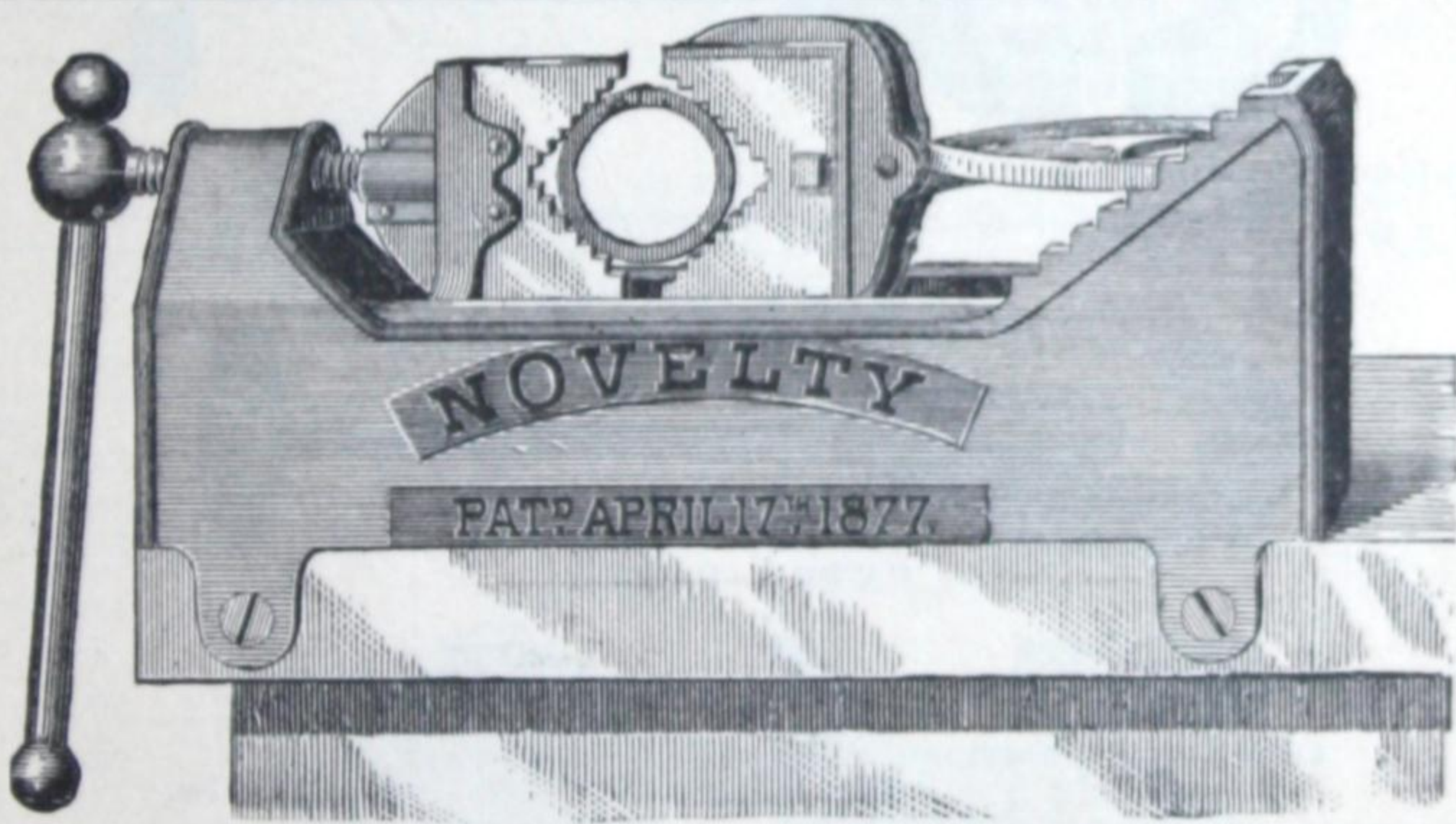
Malleable Iron.

No. 1 takes $\frac{1}{8}$ to 2 inch Pipe.....\$10 00
 No. 2 " $\frac{1}{4}$ to 3 " " 13 00



Combination Vise.

No. 1 takes $\frac{1}{8}$ to 2 inch Pipe\$16 00
 No. 2 takes $\frac{1}{2}$ to 3 " 20 00



Novelty Pipe Vise.

Malleable Iron.

No. 1 takes $\frac{1}{8}$ to 2 inch Pipe, Weight 13 pounds,.....\$9 00
 No. 2 with Stand " 43 " 12 00

Wrought Iron Leg Vises.

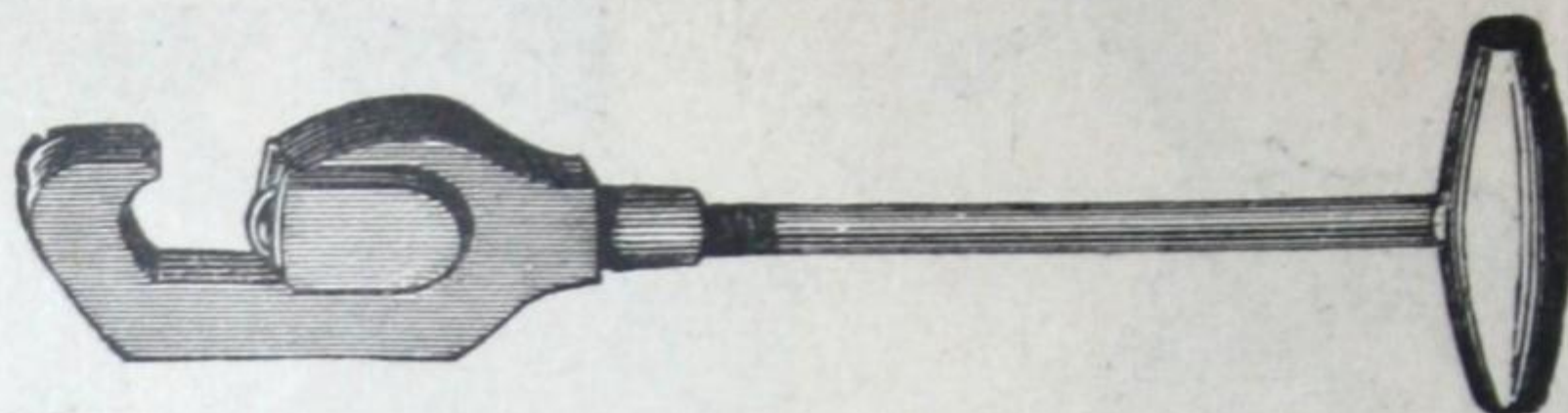
Peter Wright's, Imported.....per pound.....
 American....." ".....

**STEPHEN'S, HOWARD'S, PARKER'S, HALL'S, MERRILL'S, SIMPSON'S,
 SMITH'S, UNION and BACKUS' VISES,** furnished at Manufacturer's Prices.

STEEL CHISELS, Flat, Cape, Half Round, Diamond Point, Set, Wall, and
 Calking, 75 cents each.

PIPE CUTTERS.

STANWOOD'S CUTTER.



No. 1 cuts $\frac{1}{8}$ to $\frac{3}{4}$ inch inclusive	\$3 00	No. 1 Steel faced	\$8 00
" 2 " 1 to 2 " "	4 50	" 2 " " "	10 00
" 3 " 2 to 3 " "	14 00	" 3 " " "	20 00
Extra Wheels, No. 1, 15c.		No. 2, 20c.	No. 3, 30c.

SAUNDER'S TOOL CUTTER.



No. 1 cuts $\frac{1}{8}$ to 1 inch inclusive	\$6 50	No. 1 Tool	18c.
No. 2 " 1 to 2 inches "	8 00	No. 2 " "	25c.
No. 3 " 2 to 3 " "	16 00	No. 3 " "	35c.

SAUNDER'S WHEEL CUTTER.

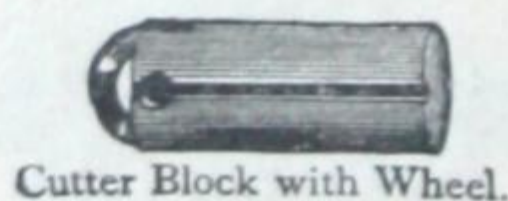


No. 1 cuts $\frac{1}{8}$ to 1 inch inclusive	\$3 00
No. 2 " 1 to 2 inches "	4 50
No. 3 " 2 to 3 " "	14 00

EUREKA CUTTER.



EXTRA PARTS.



Cutter Block with Wheel.



Extra Jaw.



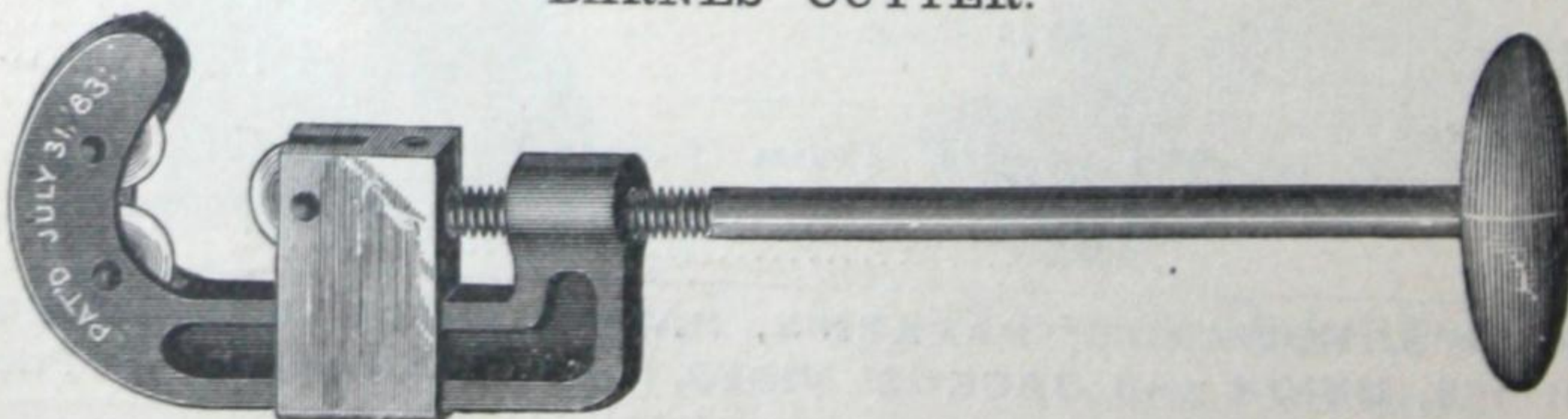
Wheel.



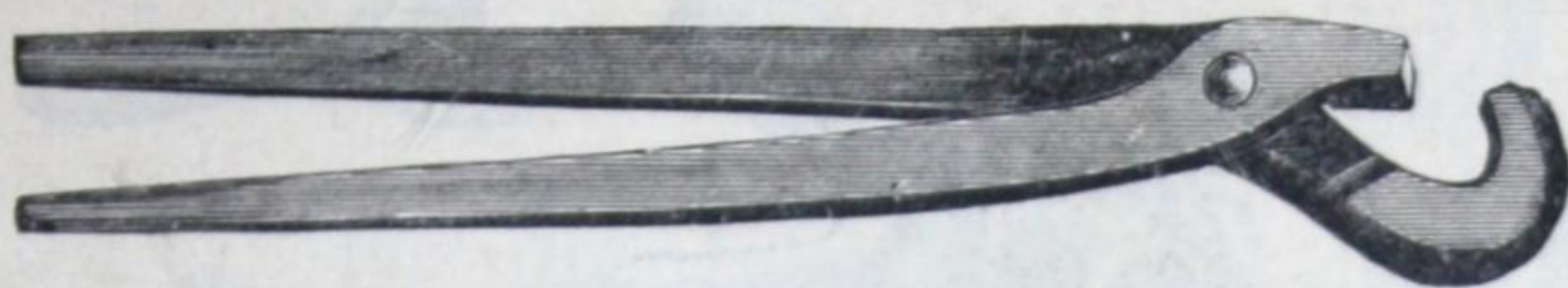
Wheel Pin.

No. 1 cuts $\frac{1}{8}$ to $\frac{3}{4}$ inch inclusive	\$3 00
No. 2 " 1 to 2 inches "	4 50
No. 3 " 2 1/2 to 3 " "	14 00

BARNES' CUTTER.



No. 1 cuts $\frac{1}{8}$ to $\frac{3}{4}$ inch inclusive	\$4 50	Extra Wheels, No. 1	62c.
No. 2 " 1/2 to 2 inches "	6 00	" " No. 2	33c.
No. 3 " 1 1/2 to 3 " "	10 00	" " No. 3	40c.

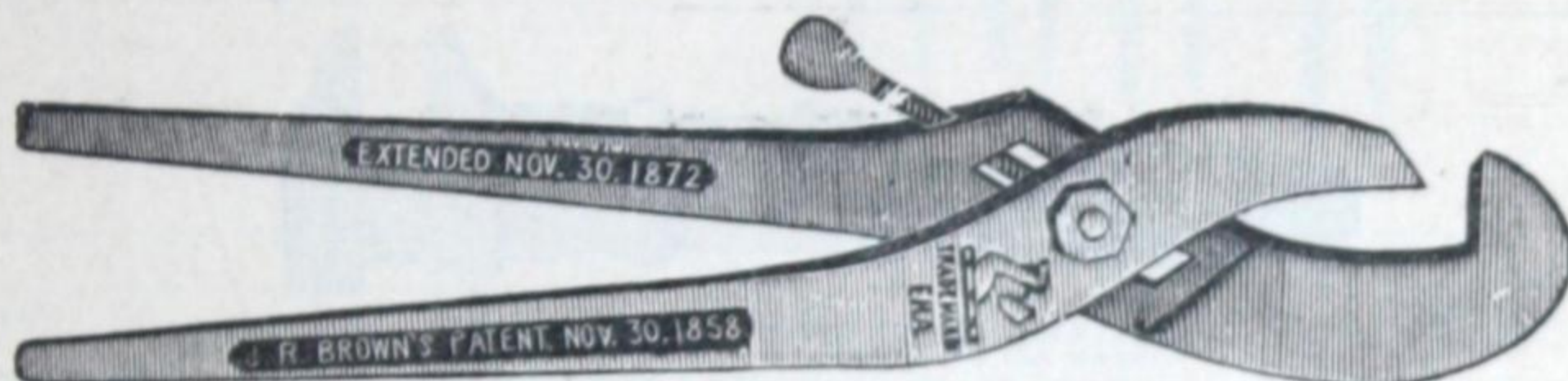


PIPE TONGS.

Size.....	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4 in.
Price.....	60	70	80	95	1 15	1 40	1 70	2 00	2 50	3 00	3 75	4 75	6 00

FORGED STEEL TONGS.

Size.....	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4 in.
Price.....	44	52	56	72	90	1.08	1.30	1 50	1.90	2.30	2.90	3 76	4.06



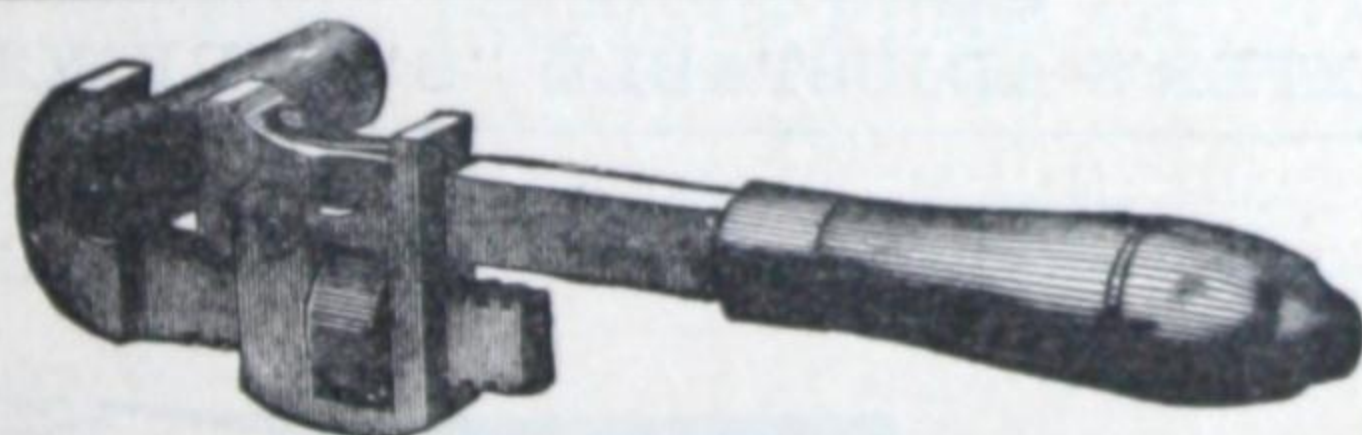
BROWN'S ADJUSTABLE PIPE TONGS.

Number.....	1	1 1/2	2	3	4	5	6	7
Sizes of Pipe they take	1/8 to 3/4	3/8 to 1	1/2 to 1 1/4	1 to 2	1 1/2 to 3	2 1/2 to 4	3 to 5	4 to 7 in.
Prices.....	1 0	1 25	1 60	2 00	4 00	6 75	18 00	25 10



ROBBIN'S PIPE WRENCH.

Number.....	2	3	4	5	6
Length of Lever.....	27 in	3 ft	4 ft.	5 ft.	6 ft.
Size of Pipe adapted to.....	1 to 2	1 1/4 to 4	2 to 6	2 1/2 to 8	4 to 10 in.
Price.....	5.50	6 25	9 00	12.50	16.00



(Pipe is not crushed by its use.)

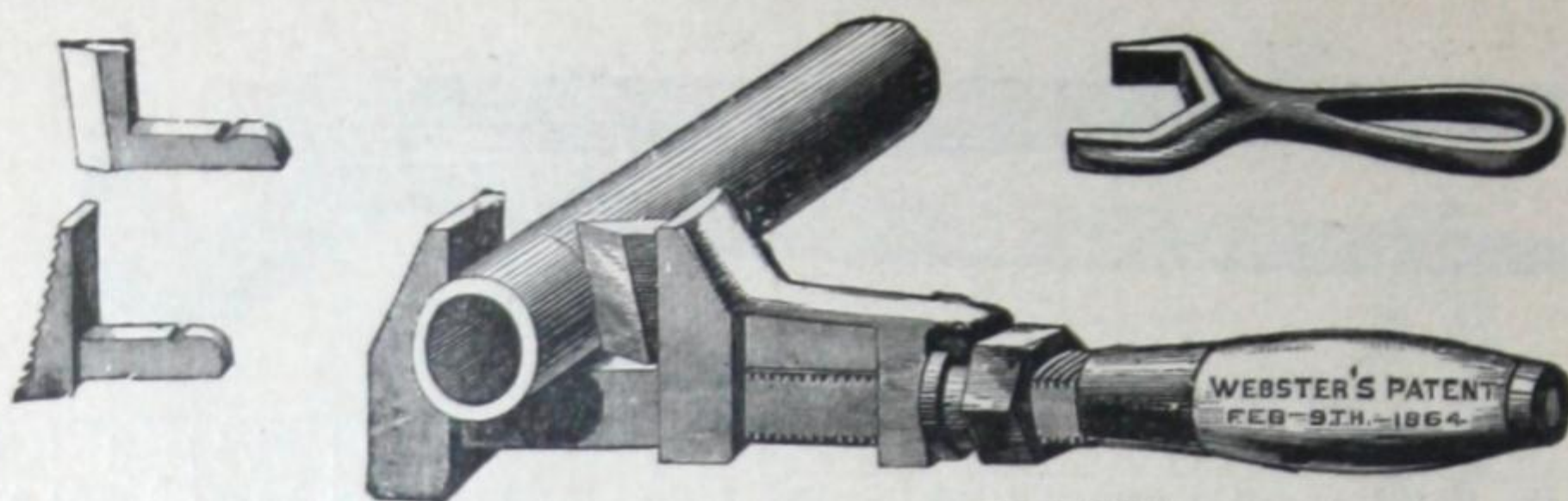
STILLSON'S WRENCH.

Length.....	6	8	10	14	18	24	36	48 in.
Price.....	1 75	2 00	2.25	3 00	4.00	6.00	12.00	18 00



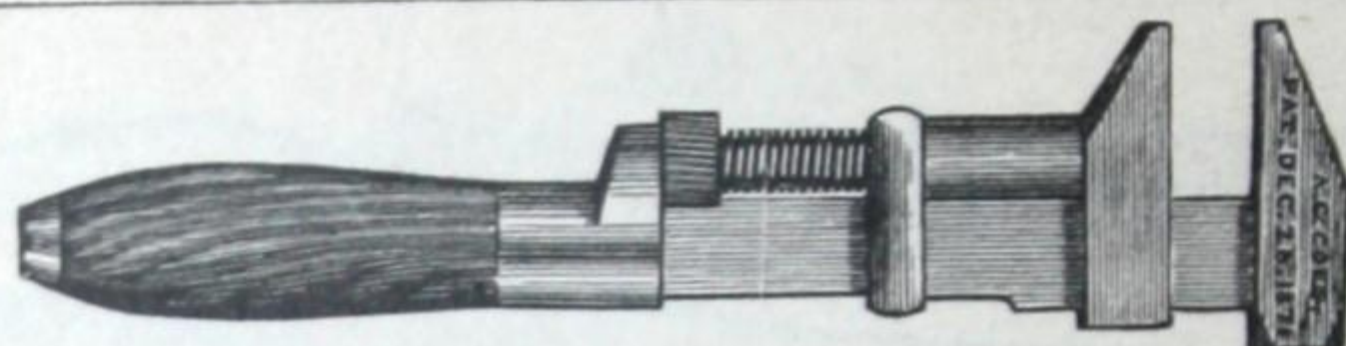
WROUGHT IRON KEY WRENCH.

Length of Jaw.....	2 1/2	3	3 1/2	4	4 1/2	5 in.
Price, each.....	3.00	4.00	5.00	6.00	8.00	10.00



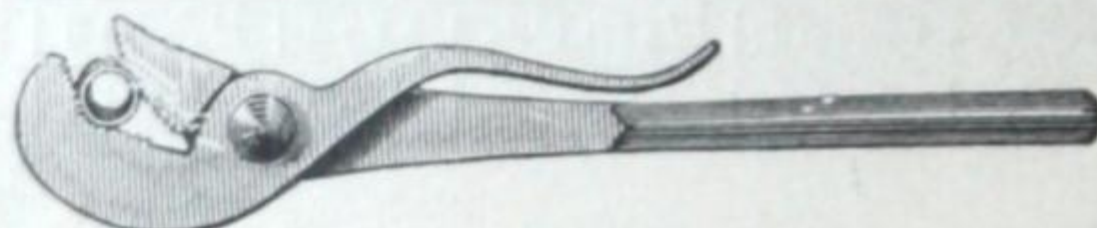
WEBSTER'S WRENCH.

12 inch, to Cut off and Screw up Pipe	$\frac{1}{8}$ to $\frac{3}{4}$ inch	\$4.00
15 " " " "	$\frac{1}{8}$ to $1\frac{1}{2}$ "	5.00
18 " " " "	$\frac{1}{8}$ to 2 "	6.00
21 " " " "	$\frac{1}{8}$ to $2\frac{1}{2}$ "	7.00



COE'S SCREW WRENCH.

Size	6	8	10	12	15	18	21 in.
Black	9 00	10.00	12.00	14.00	24.00	30.00	36.00
Bright	10.00	11.00	14.00	16.00	26.00	32.00	38.00



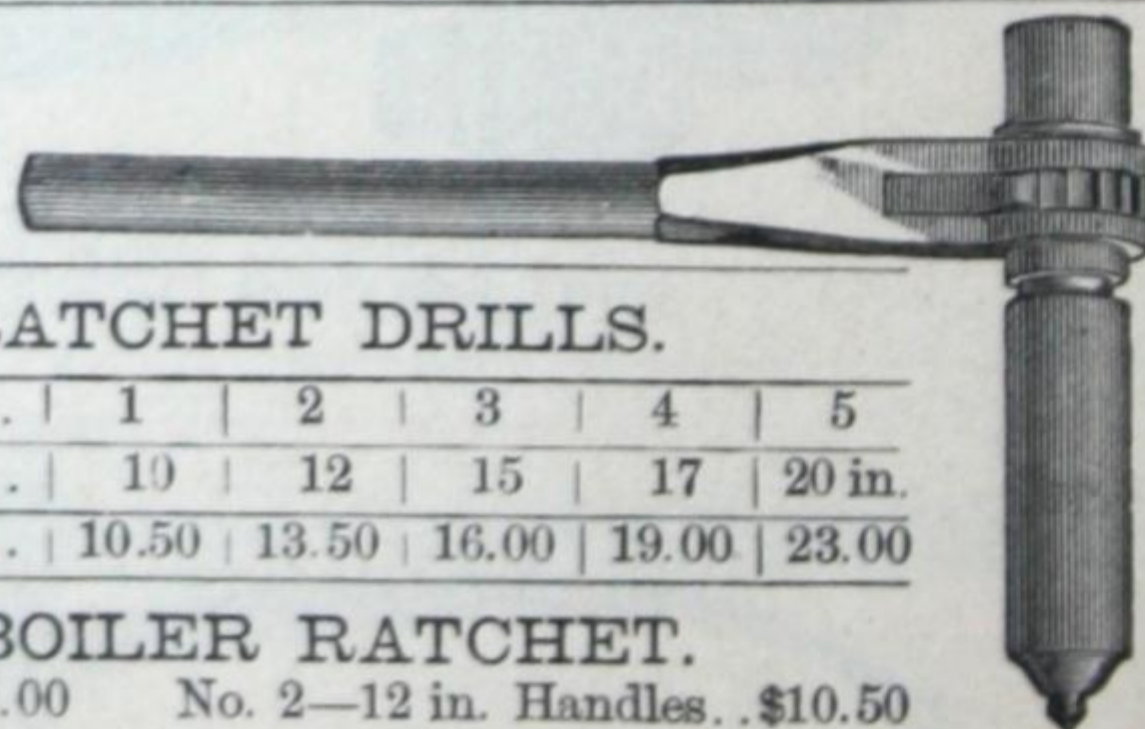
BARWICK'S WRENCH.

Number	0	1	2	3	4	5
Sizes of Pipe they will take	$\frac{1}{8}$ to $\frac{1}{2}$	$\frac{1}{8}$ to $\frac{3}{4}$	$\frac{1}{2}$ to $1\frac{1}{4}$	1 to 2	$1\frac{1}{2}$ to 3	$2\frac{1}{2}$ to 4 in.
Price	2.25	3 00	4.20	5.00	9.00	12.00



BAXTER'S ADJUSTABLE "S" WRENCH.

Length	4	6	8	10	12	15 in.
Price	5.00	7.50	10.00	15 00	20.00	25.00



PACKER RATCHET DRILLS.

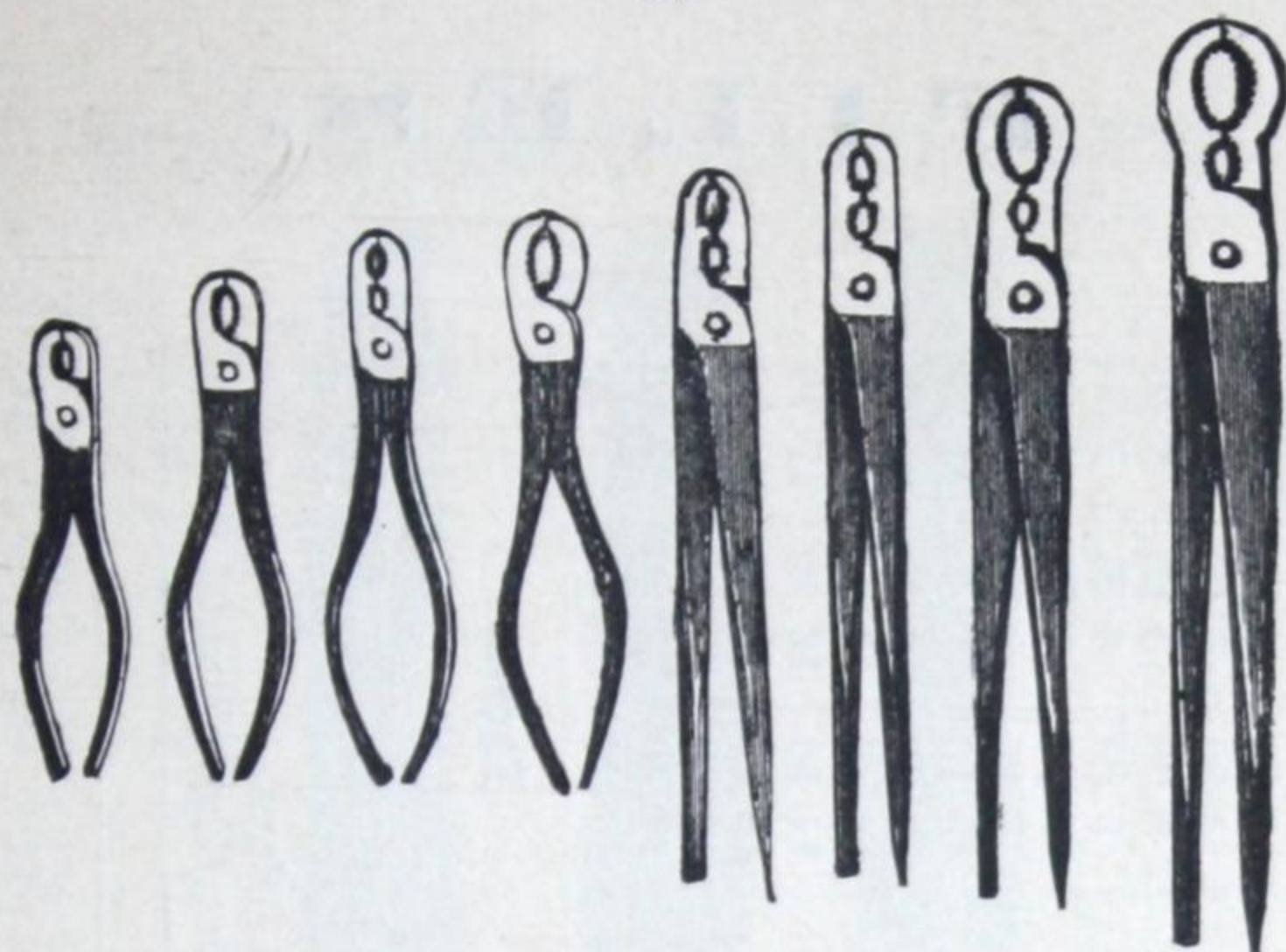
Number	1	2	3	4	5
Length	10	12	15	17	20 in.
Price	10.50	13.50	16.00	19.00	23.00

PACKER'S BOILER RATCHET.

No. 1--10 inch Handles. \$9.00 No. 2--12 in. Handles. \$10.50

DRILLS.

Size Pipe	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1 in.	Size Pipe	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3 in.
Price	75	75	1.00	1.25	1.50	1.75	Price	2.00	2.50	3.00	4.00	5.00



PLYERS.

Size.....	5	6	7	8	9	10	11	12	13	14in.
Price, each.....	60	60	70	80	1 00	1 20	1 30	1 50	1 70	1 80



GAS FITTERS' AUGERS.

Gas Pipe sizes.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2in.
Price, each.....	1 10	1 50	1 80	2 25	2 50	3 00	3 30	4 00

FLOOR CHISELS.

Width of Face.....	$2\frac{1}{2}$	3	$3\frac{1}{2}$ in.
Long, each.....	1 50	1 75	2 00
Short, ".....	1 25	1 50	1 75

GAS FITTERS' BLOW PIPES.

Length.....	8	9	10	11	12 in.
Price.....	25	30	35	45	
" with Bulb.....	45	50	..	..	..

GAS FITTERS' PROVING PUMP AND GAUGE.

Pump with Test Gauge, complete.....	\$18 00
" " Mercury Column ".....	18 00
" alone.....	9 00
Mercury Column, alone.....	9 00
Test Gauge, ".....	9 00
" with Ether Cup.....	11 00
Ether Cups, alone.....	2 00

GAS FITTERS' TORCHES.

Tin.....	\$1 25	Brass.....	\$1 50
Gas Fitters' Cement..... per lb. 18 cents.			

BREAST DRILLS.

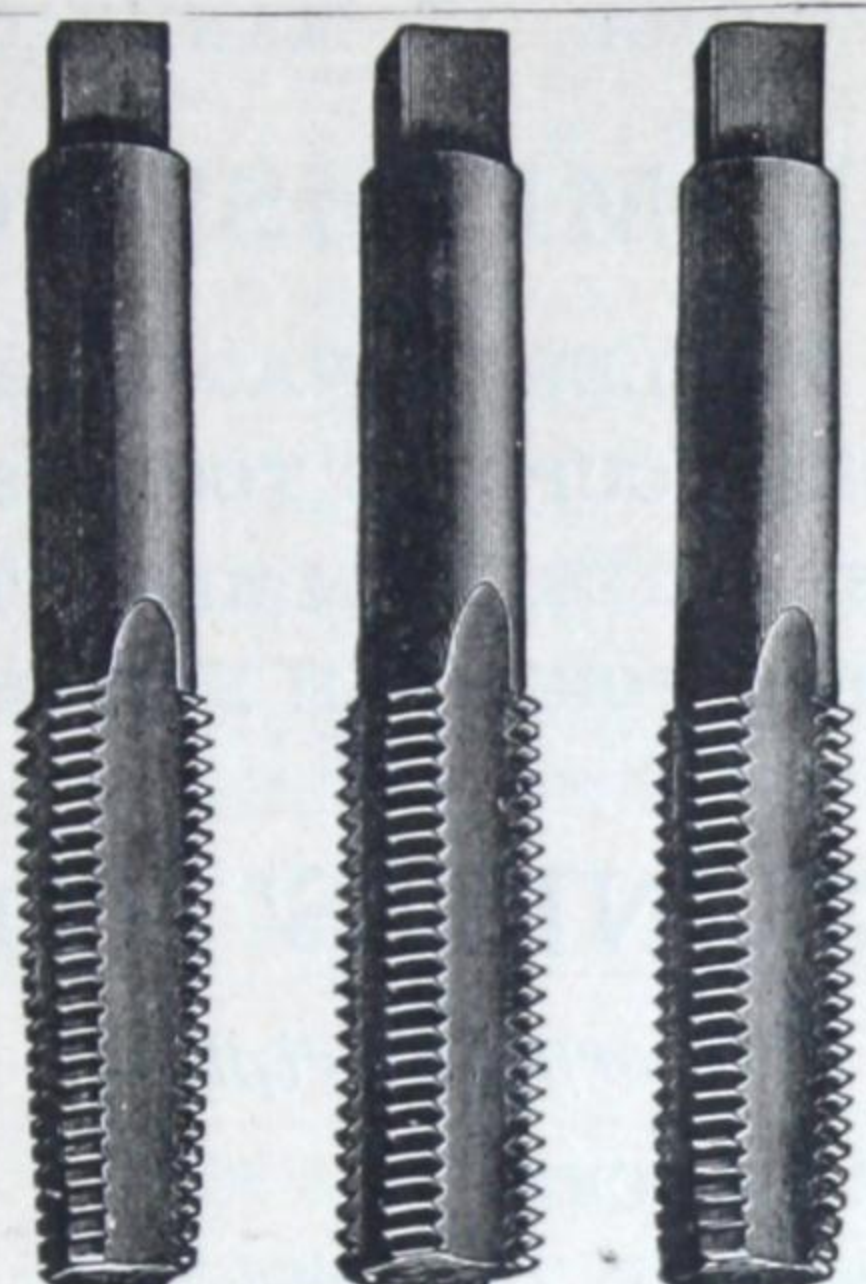
Single Gear with 4 Drills.....	\$3 50
Double " " 4 ".....	4 50

CROW FOR DRILLING AND TAPPING.

No. 1. For $1\frac{1}{2}$ to 3 inch Pipe.....	\$10 00
No. 2. For $1\frac{1}{2}$ to 6 " ".....	13 00
No. 3. For $1\frac{1}{2}$ to 12 " ".....	16 00

MACHINIST'S HAND TAPS.

Three Taps to set.				
Diam.	No. Threads to inch.			Price, each
1/4	16	18	& 20	0 45
5/16		16	& 18	0 50
3/8	14	16	& 18	0 55
7/16		14	& 16	0 60
1/2	12	13	& 14	0 70
9/16		12	& 14	0 80
5/8	10	11	& 12	0 90
11/16		11	& 12	1 05
3/4		10	& 12	1 20
13/16		10		1 40
7/8		9	& 10	1 60

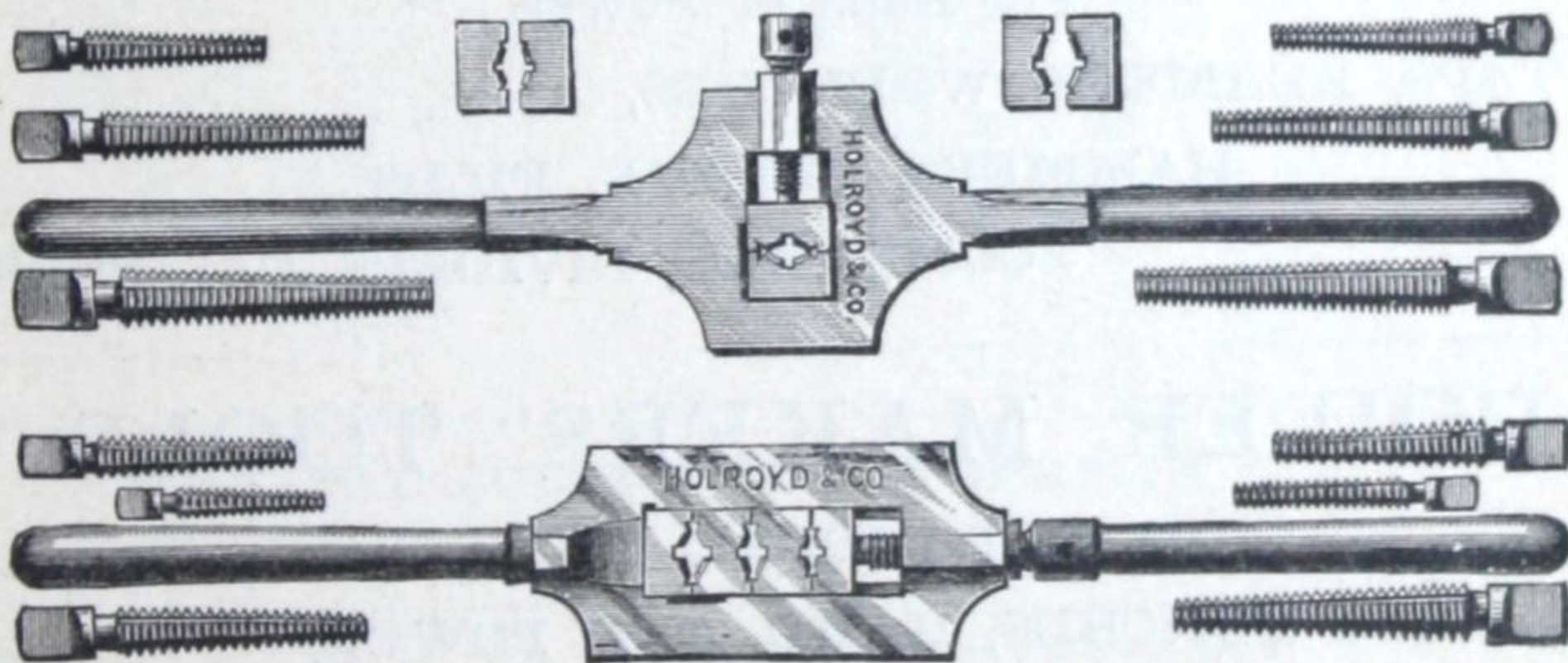


Taper.
Bottoming.
Plug.

Three Taps to set.				
Diam.	No. threads to inch.			Price, each.
15/16		9		1 80
1		8		2 00
1 1/8	7	&	8	2 25
1 1/4		7		2 60
1 3/8		6		3 00
1 1/2		6		3 50
1 5/8		5		4 20
1 3/4		5		5 00
1 7/8		4 1/2		5 80
2		4 1/2		6 70

STOCKS AND DIES.

(Blacksmiths and Machinists.)



No.	Price.	Size.		Taps	Dies.	No.	Price.	Size.		Taps	Dies.
		Left.	Right.					Left.	Right.		
1	60 00	2 to 1 inch	2 to 1 inch	8	4	25	6 50	$\frac{3}{4}$ to $\frac{1}{2}$ inch	$\frac{3}{4}$ to $\frac{3}{8}$ inch	6	3
2	60 00		2 to $\frac{7}{8}$ "	8	4	27	6 50		$\frac{3}{4}$ to $\frac{3}{8}$ "	6	3
3	45 00	$1\frac{3}{4}$ to $\frac{7}{8}$ "	$1\frac{3}{4}$ to $\frac{7}{8}$ "	8	4	32	5 00	$\frac{3}{4}$ to $\frac{3}{8}$ "	$\frac{3}{4}$ to $\frac{3}{8}$ "	4	4
4	45 00		$1\frac{3}{4}$ to $\frac{3}{4}$ "	8	4	33	4 00	$\frac{3}{4}$ to $\frac{1}{2}$ "	$\frac{3}{4}$ to $\frac{1}{2}$ "	2	2
5	35 00	$1\frac{1}{2}$ to $\frac{3}{4}$ "	$1\frac{1}{2}$ to $\frac{3}{4}$ "	8	4	34	4 50		$\frac{3}{4}$ to 5-16 "	3	3
$5\frac{1}{2}$	35 00		$1\frac{1}{2}$ to $\frac{3}{4}$ "	8	4	35	4 00		$\frac{3}{4}$ to $\frac{3}{8}$ "	2	2
6	20 00	$1\frac{1}{2}$ to 1 "	$1\frac{1}{2}$ to 1 "	4	2	37	4 25		$\frac{5}{8}$ to 3-16 "	6	3
7	12 00	$1\frac{1}{4}$ to $\frac{7}{8}$ "	$1\frac{1}{4}$ to $\frac{5}{8}$ "	6	3	38	4 50	$\frac{5}{8}$ to 7-16 "	$\frac{5}{8}$ to 5-16 "	6	3
9	12 0		$1\frac{1}{4}$ to $\frac{1}{2}$ "	6	3	41	3 25		$\frac{1}{2}$ to $\frac{1}{8}$ "	6	3
11	10 00	$1\frac{1}{4}$ to $\frac{7}{8}$ "	$1\frac{1}{4}$ to $\frac{5}{8}$ "	4	3	42	3 50	$\frac{1}{2}$ to 5-16 "	$\frac{1}{2}$ to 3-16 "	6	3
15	10 00		$1\frac{1}{4}$ to $\frac{1}{2}$ "	5	3	45	5 50	$\frac{5}{8}$ to 7-16 "	$\frac{5}{8}$ to 5-16 "	6	3
17	9 00	1 to $\frac{3}{4}$ "	1 to $\frac{1}{2}$ "	6	3	47	5 50		$\frac{5}{8}$ to $\frac{1}{4}$ "	6	3
19	9 00		1 to $\frac{3}{8}$ "	6	3	49	4 50	$\frac{1}{2}$ to 5-16 "	$\frac{1}{2}$ to $\frac{1}{4}$ "	6	3
21	6 00	1 to $\frac{3}{4}$ "	1 to $\frac{1}{2}$ "	4	3	51	4 50		$\frac{1}{2}$ to 3-16 "	6	3
23	5 00		1 to $\frac{3}{8}$ "	3	3	53	2 75		5-16 to 1-16 "	4	4

MORSE'S PATENT TWIST DRILLS on hand, or furnished to order.

I KEEP IN STOCK,
OR FURNISH TO ORDER, AT MANUFACTURERS' PRICES.

BLACKSMITHS' TOOLS.

TONGS, FLATTERS, FULLERS, SWAGES, HARDIES, PUNCHES,
CREASERS, CHISELS, CUPPING TOOLS, SWAGE BLOCKS,
ANVILS, SLEDGES, HAMMERS, TUYERES,
BELLOWS, PORTABLE FORGES, Etc.

MACHINISTS' TOOLS

of every description.

DRILL AND LATHE CHUCKS,
LATHE DOGS AND CLAMPS,
BOLT CUTTERS, MILLING MACHINES,
DRILLS, DRILLING MACHINES,
For Hand or Power.
DIES, TAPS, REAMERS, WRENCHES,
HAMMERS, CHISELS, FILES,
COMPASSES, DIVIDERS, CALIPERS, Etc.

BOILER MAKERS' TOOLS.

TUBE EXPANDERS,
PUNCHES, HAND AND POWER,
SHEARS, " " "
ROLLS, " " "
JACK SCREWS, HYDRAULIC JACKS,
HAMMERS, SLEDGES, FORGES,
ETC., ETC.

PORTABLE FORGES.

EMPIRE, PATTERSON'S, ROOT'S, KEYSTONE AND QUEEN'S.

FAN BLOWERS.

STURTEVANT'S, ROOT'S AND KEYSTONE.
EXHAUST FANS, &c.

MACHINE BOLTS.—With Square Heads and Nuts.

Length.....	Diameter	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$ & $\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
$1\frac{1}{2}$ inches.....	Price per Hundred	2 80	3 20	3 60	4 60	5 00	7 20	10 50	14 00	22 00
2 ".....	"	1 90	3 35	3 80	4 90	5 30	7 70	11 10	15 80	23 10
$2\frac{1}{2}$ ".....	"	3 00	3 50	4 00	5 20	5 60	8 20	11 70	16 60	24 20
3 ".....	"	3 10	3 65	4 20	5 50	5 90	8 70	12 30	17 50	25 30
$3\frac{1}{2}$ ".....	"	3 20	3 80	4 40	5 80	6 20	9 20	12 90	18 30	26 40
4 ".....	"	3 30	3 95	4 60	6 10	6 50	9 70	13 50	19 20	27 60
$4\frac{1}{2}$ ".....	"	3 40	4 10	4 80	6 40	6 80	10 20	14 10	20 00	28 50
5 ".....	"	3 50	4 25	5 00	6 70	7 10	10 70	14 70	20 90	29 70
$5\frac{1}{2}$ ".....	"	3 60	4 40	5 20	7 00	7 40	11 20	15 30	21 70	30 80
6 ".....	"	3 70	4 55	5 40	7 30	7 70	11 70	15 90	22 60	31 90
$6\frac{1}{2}$ ".....	"	3 80	4 70	5 60	7 60	8 00	12 20	16 50	23 40	33 00
7 ".....	"	3 90	4 85	5 80	7 90	8 30	12 70	17 10	24 30	34 10
$7\frac{1}{2}$ ".....	"	4 00	5 00	6 00	8 20	8 60	13 20	17 70	25 10	35 20
8 ".....	"	4 10	5 15	6 20	8 50	8 90	13 70	18 30	26 00	36 30

Bolts with Hex. Heads or Hex. Nuts, 10 per cent. extra. If both Hex. Heads and Hex. Nuts, 20 per cent. extra.

LAG SCREWS.

Length.....	Diameter	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$ & $\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
$1\frac{1}{2}$ inches.....	Price, per Hundred	2 70	3 10	4 00	4 30	.....	.....	.....	.....
2 ".....	"	2 90	3 30	4 25	4 60	6 50	.....	.....	.....
$2\frac{1}{2}$ ".....	"	3 10	3 50	4 50	4 90	6 90	10 00	.....	.....
3 ".....	"	3 30	3 70	4 75	5 20	7 30	10 50	15 00	.....
$3\frac{1}{2}$ ".....	"	3 50	3 90	5 00	5 50	7 70	11 00	15 75	21 60
4 ".....	"	3 70	4 10	5 25	5 80	8 10	11 50	16 50	22 50
$4\frac{1}{2}$ ".....	"	3 90	4 30	5 50	6 10	8 50	12 00	17 25	23 40
5 ".....	"	4 10	4 50	5 75	6 40	8 90	12 50	18 00	24 25
$5\frac{1}{2}$ ".....	"	4 30	4 70	6 00	6 70	9 30	13 00	18 75	25 25
6 ".....	"	4 50	4 90	6 25	7 00	9 70	13 50	19 50	26 25
7 ".....	"	.....	.....	6 75	7 60	10 50	14 50	21 00	28 25
8 ".....	"	.....	.....	7 25	8 20	11 30	15 50	22 50	30 25
9 ".....	"	.....	.....	7 75	8 80	12 10	16 50	24 00	32 25
10 ".....	"	.....	.....	.....	9 40	12 90	17 50	25 50	34 25
11 ".....	"	.....	.....	.....	10 00	13 70	18 50	27 00	36 25
12 ".....	"	.....	.....	.....	10 60	14 50	19 50	28 50	38 25

TAP BOLTS AND SET SCREWS.

	Size.	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{3}{4}$
Per Hundred.....	$1\frac{1}{2}$	2 50	2 80	3 30	3 90	4 50	6 60	6 60	8 90
".....	$1\frac{3}{4}$	2 60	2 90	3 40	4 00	4 70	6 80	6 80	9 20
".....	2	2 70	3 00	3 50	4 10	4 90	7 00	7 00	9 50
".....	$2\frac{1}{4}$	2 80	3 10	3 60	4 20	5 10	7 20	7 20	9 80
".....	$2\frac{1}{2}$	2 90	3 20	3 70	4 30	5 30	7 40	7 40	10 10
".....	$2\frac{3}{4}$	3 00	3 30	3 80	4 40	5 50	7 60	7 60	10 40
".....	3	3 10	3 40	3 90	4 50	5 70	7 80	7 80	10 70

With Hexagon Heads, 10 per cent. extra. Blank Bolts, Set Screws and Tape Bolts, 5 per cent. less than the above list. Larger sizes made to order.

Carriage Bolts, Bolt Ends, Stove Bolts, Nuts, Washers, Machine and Wood Screws, Rivets, Turn Buckles, etc.

WASHERS.

Diameter.....	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2 in.
Size of Hole.....	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{11}{16}$	$\frac{13}{16}$
Thickness, W. G.....	18	16	16	16	14	14	14	12	12	10	10
Size of Bolt.....	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{3}{4}$
Price, per lb.....	.28	.24	.21	.17	.16	.15	.13	.13	.13	$12\frac{1}{2}$	$12\frac{1}{2}$

PLUMBERS' GOODS.

Standard Cast Iron Drain Pipe.

In. Diameter	2	3	4	5	6	7	8	10
Price, per foot	0 24	0 30	0 50	0 50	0 60	1 00	1 25	2 00
Double Hub, price, per 5 ft. length	1 50	1 80	2 10	2 80	3 30	5 50	6 75	.....

Fittings, Traps, Etc.

Size	2	3	4	5	6	7	8	10
Quarter Bends	0 40	0 55	0 65	1 00	1 20	2 25	3 00	4 00
“ “ with 2 inch Outlets for Connections, 30 cts. ; 3 in. 40 cts., and 4 in. 50 cts. extra.								
Double Hub Quarter Bends	0 70	0 85	0 95	1 30	1 50	.....	.....	.....
“ “ Eighth “			0 90	1 20	.....	.....	.....	.....
Sixth Bends	0 40	0 55	0 65	1 00	1 20	.....	3 00	.....
Eighth Bends	0 35	0 45	0 60	0 90	1 05	2 00	2 75	3 75
Return Bends	0 65	0 85	1 25	2 00	3 00	.....	.....	.....
Long Bends, 18 inches in clear			1 50	2 25	2 50	.....	5 50	.....
T Branches	0 40	0 55	0 65	1 20	1 40	2 75	3 25	6 50
Long T Branches, 24 inches in the clear			2 00	2 75	3 50	.....	.....	.....
“ “ 30 “ “ “			2 50	3 50	4 50	.....	.....	.....
Cross Head Branches	0 80	1 10	1 25	1 60	2 50	4 00	5 00	8 00
Half Y Branches	0 60	0 80	1 20	1 60	2 00	.....	5 00	.....
Double Half Y Branches	1 00	1 25	1 65	2 25	3 00	.....	6 00	.....
Y Branches	0 60	0 80	1 20	1 60	2 00	4 00	5 00	7 00
Double Y Branches	1 00	1 25	1 65	2 25	3 00	5 00	6 00	9 00
Anti-Syphonic Y Branches	1 00	1 50	2 75	4 00	5 00	.....	.....	.....
Monitor Branch, 6 x 4					5 00	.....	.....	.....
Ventilating Branch	0 80	1 25	1 50	2 00	3 00	.....	.....	.....
Offsets, to offset 2 inches	0 40					.....	.....	.....
“ “ 4 “	0 50	0 75	0 85	1 40	2 00	.....	.....	.....
“ “ 6 “	0 60	0 80	1 00	1 60	2 25	.....	.....	.....
“ “ 8 “	0 70	0 90	1 15	1 80	2 40	.....	.....	.....
“ “ 10 “			1 25	.....	.....	.....	.....	.....
“ “ 12 “	0 85	1 00	1 40	2 00	2 75	.....	.....	.....
“ “ 14 “			1 65	.....	.....	.....	.....	.....
“ “ 16 “		1 40	1 80	2 40	.....	.....	.....	.....
“ “ 20 “			2 25	.....	.....	.....	.....	.....
“ with 2 in. Outlet for Connection, 30 cts. extra.						.....	.....	.....
Double Hubs	0 30	0 45	0 65	0 75	0 80	1 40	1 50	2 50
Single Hubs	0 25	0 35	0 40	0 60	0 75	1 25	1 40	2 50
Reducers			0 50	0 70	0 80	1 30	1 60	2 50
Increases					1 25	1 60	2 00	2 75
Straight Sleeves	0 30	0 45	0 65	0 75	0 80	1 40	1 50	2 50
Thimbles with covers	0 40	0 50	0 60	0 70	0 90	.....	2 25	.....
Thimbles	0 15	0 25	0 30	0 35	0 45	.....	.....	.....
T Saddle Hubs	0 30	0 50	0 60	0 75	1 10	1 40	1 50	2 25
Pipe Stoppers	0 15	0 25	0 30	0 35	50	0 90	1 20	2 00
Bands	0 45	0 55	0 70	1 00	1 40	.....	2 25	.....
“ with Outlets	0 75	0 90	1 10	1 45	1 90	.....	.....	.....
Y and Half Y Saddle Hubs	0 85	0 55	0 70	0 90	1 25	.....	.....	.....
S Half S and Three Quarter S Traps	0 80	1 25	1 50	3 00	3 75	.....	.....	.....
Traps, with Outlet in Heel or Side, 50 cts. extra.						.....	.....	.....
Running Traps	0 80	1 25	1 50	3 00	3 75	7 00	9 00	20 00
“ “ with Hub for Vent.		1 75	2 00	3 50	4 25	.....	10 00	.....
“ “ Double Hubs for Vent.			2 50	4 00	4 75	.....	11 00	.....
Pipe Rests	0 30	0 40	0 50	0 60	0 70	1 00	1 10	1 75
Ventilating Caps	0 40	0 60	0 80	1 10	1 50	.....	.....	.....
Roof Irons	0 90	1 15	1 30	1 50	1 80	.....	.....	.....
Hooks	0 08	0 10	0 12	0 15	0 20	.....	0 40	.....
Leader Pipes, 4 feet 6 inches long		3 00	4 00	5 00	6 00	.....	.....	.....

Enameled Pipe and Fittings.

Illustrated Catalogue of Cast Iron Plumbing Goods furnished on application.

EXTRA HEAVY CAST IRON SOIL PIPE AND FITTINGS.

Internal Diameter	2	3	4	5	6	7	8
Pipe, per foot.....	0 35	0 55	0 75	1 00	1 20	1 75	2 25
Double Hub Pipe, per length of 5 feet	2 05	3 00	4 05	5 30	6 30	9 75	12 75
Quarter Bends	0 50	0 70	1 10	1 35	1 75	3 00	4 00
“ “ with 2 in. Outlets 30c. ; 3 in. 40c., and 4 in. 50c. extra.	0 80	1 00	1 40	1 65	2 05	.....	.....
Double Hub Quarter Bends.....	.....	.....	1 30	.....	.....	.....	.....
Double Hub Eighth Bends	0 50	0 70	1 10	1 35	1 75	.....	4 00
Sixth Bends.....	0 45	0 65	1 00	1 20	1 40	2 75	3 75
Eighth Bends }	0 75	1 10	1 75	2 50	3 50	.....	.....
Sixteenth Bends } .....	.....	.....	2 25	2 75	3 25	.....	.....
Return Bends.....	0 60	0 80	1 20	1 50	1 90	4 25	5 50
Long Bends, 18 inches in clear.....	0 80	.....	.....	.....	.....	.....	.....
T Branches .....	.....	.....	.....	.....	.....	.....	.....
T & Y Branches, 2 x 2 .....	.....	1 20	.....	.....	.....	.....	.....
“ “ 3 x 3 } .....	.....	.....	.....	.....	.....	.....	.....
“ “ 3 x 2 } .....	.....	.....	.....	.....	.....	.....	.....
“ “ 4 x 4 } .....	.....	.....	1 50	.....	.....	.....	.....
“ “ 4 x 3 } .....	.....	.....	.....	.....	.....	.....	.....
“ “ 4 x 2 } .....	.....	.....	.....	.....	.....	.....	.....
“ “ 5 x 5 } .....	.....	.....	.....	2 20	.....	.....	.....
“ “ 5 x 4 } .....	.....	.....	.....	.....	.....	.....	.....
“ “ 5 x 3 } .....	.....	.....	.....	.....	.....	.....	.....
“ “ 5 x 2 } .....	.....	.....	.....	.....	.....	.....	.....
“ “ 6 x 6, 6 x 5, 6 x 4, 6 x 3, 6 x 2.....	.....	.....	.....	.....	3 20	.....	.....
Long T Branches, 24 inches in the clear.....	.....	.....	3 00	4 00	5 00	.....	.....
“ “ 30 “ “ .....	.....	.....	3 75	5 00	6 50	.....	.....
“ “ 36 “ “ .....	.....	.....	4 50	6 00	8 00	.....	.....
Cross Head Branches.....	1 00	1 40	1 75	2 00	3 25	6 00	7 00
Half Y Branches.....	0 80	1 25	1 60	2 25	3 25	.....	7 50
Double Half Y Branches.....	1 25	1 60	1 90	3 00	4 00	.....	9 00
Long Y Branches, 4 x 4, 24 inches in clear .....	.....	.....	3 50	.....	.....	.....	.....
“ “ 4 x 4, 30 “ “ .....	.....	.....	4 75	.....	.....	.....	.....
“ “ 4 x 4, 36 “ “ .....	.....	.....	5 25	.....	.....	.....	.....
“ “ 5 x 4, 24 “ “ .....	.....	.....	.....	4 50	.....	.....	.....
“ “ 5 x 4, 30 “ “ .....	.....	.....	.....	5 50	.....	.....	.....
“ “ 5 x 4, 36 “ “ .....	.....	.....	.....	6 75	.....	.....	.....
“ “ 6 x 4, 24 “ “ .....	.....	.....	.....	.....	6 00	.....	.....
“ “ 6 x 4, 30 “ “ .....	.....	.....	.....	.....	7 25	.....	.....
“ “ 6 x 4, 36 “ “ .....	.....	.....	.....	.....	9 00	.....	.....
Y Branches	0 80	1 25	1 60	2 25	3 25	6 00	7 50
Y Branch, Running Trap, 4 x 4.....	.....	.....	4 00	.....	.....	.....	.....
“ “ 5 x 4 .....	.....	.....	.....	5 50	.....	.....	.....
“ “ 6 x 4 .....	.....	.....	.....	.....	7 00	.....	.....
Double Y Branches.....	1 25	1 60	1 90	3 00	4 00	7 00	9 00
Anti-Syphonic Y Branches	1 40	2 00	3 50	5 50	7 00	.....	.....
Ventilating Branch.....	1 25	1 75	2 50	2 75	4 00	.....	8 50
Offsets, to offset 2 inches.....	0 60	.....	.....	.....	.....	.....	.....
“ “ 4 “	0 90	1 10	1 25	1 80	2 50	.....	.....
“ “ 6 “	1 00	1 20	1 40	2 00	3 00	.....	.....
“ “ 8 “	1 10	1 35	1 50	2 25	3 25	.....	.....
“ “ 10 “ .....	.....	.....	1 60	.....	.....	.....	.....
“ “ 12 “	1 25	1 40	1 80	2 50	3 50	.....	.....
“ “ 14 “ .....	.....	1 70	2 00	.....	.....	.....	.....
“ “ 16 “ .....	.....	1 90	2 25	3 00	.....	.....	.....
“ “ 18 “ .....	.....	2 00	2 80	.....	.....	.....	.....
“ “ 20 “ .....	.....	.....	3 00	3 75	.....	.....	.....
“ with 2 in. Outlet for Connection, 30c. extra.	0 40	0 55	0 75	0 90	1 15	2 00	3 25
Double Hubs	0 35	0 40	0 50	0 75	1 00	2 00	3 00
Single Hubs .....	.....	.....	0 60	0 80	0 90	2 00	2 20
Reducers.....	.....	1 00	1 25	.....	1 75	2 25	2 75
Increases.....	0 40	0 55	0 75	0 90	1 15	2 00	3 25
Straight Sleeves.....	0 40	0 65	0 80	1 00	1 40	2 00	2 25
T Saddle Hubs	0 25	0 35	0 40	0 50	0 65	0 25	1 50
Pipe Stoppers	0 90	1 00	1 50	2 00	2 75	.....	4 00
Bands	1 50	1 75	2 00	2 75	3 50	.....	5 00
“ with Outlets	0 45	0 70	0 90	1 15	1 55	.....	3 00
Y and Half Y Saddle Hubs	1 25	1 75	2 50	4 00	5 00	.....	.....
S and Half S and Three Quarter S Traps .....	.....	.....	.....	.....	.....	.....	.....
Traps, with Outlet in Heel or Side or Vent, 50c. extra.	1 25	1 75	2 50	4 00	5 00	9 00	12 00
Running Traps .....	.....	.....	3 00	4 50	5 50	.....	13 00
“ “ with Hub for Vent.....	.....	.....	3 50	5 00	6 00	.....	14 00
“ “ with Double Hubs for Vent.	0 40	0 55	0 65	0 80	1 00	1 50	1 75
Pipe Rests.....	0 40	0 60	0 80	1 10	1 50	.....	.....
Ventilating Caps	0 90	1 15	1 80	1 50	1 80	.....	.....
Roof Irons.....	0 08	0 10	0 12	0 15	0 20	.....	.....
Hooks.....	.....	.....	.....	.....	.....	.....	.....
Weight per foot of Extra Pipe.....	2	3	4	5	6	7	8
Pounds	5½	9½	13	17	20	27	33½

All Pipe and Fittings are furnished Tar-Coated, unless ordered Plain.

BRASS WORK.

GROUND KEY. PLAIN BIBBS. PER DOZEN.

Size.....	¼	⅜	½	⅝	¾	1	1¼	1½	1¾	2 in.
For Lead Pipe, Rough.....	10 00	12 00	15 00	18 00	24 00	36 00	60 00	84 00	130 00	170 00
Finished.....	9 00	11 00	14 00	16 00	21 00	32 00	52 00	72 00	120 00	150 00
Screw Tail, Finished.....	11 00	13 50	17 00	20 00	27 00	41 00	68 00	94 00	145 00	195 00
Rough.....	10 00	12 50	16 00	18 00	22 00	37 00	60 00	82 00	135 00	175 00
For Iron Pipe, Finished.....	11 00	13 00	16 00	19 00	26 00	39 00	64 00	78 00	.....	180 00
Rough.....	10 00	12 00	15 00	17 00	23 00	35 00	56 00	.....	.....	160 00
Flange and Thimble, Finished.....	.....	.....	24 00	28 00	40 00	53 00	.....	.....	.....	.....
Nickel Plated.....	.....	.....	27 50	31 50	44 00	57 00	.....	.....	.....	.....
Silver ".....	.....	.....	36 00	43 00	58 00	81 00	.....	.....	.....	.....

HOSE BIBBS.

For Lead Pipe, Finished.....	.....	.....	16 00	19 00	26 00	39 00	64 00	90 00	140 00	180 00
Rough.....	.....	.....	15 00	17 00	23 00	35 00	56 00	78 00	130 00	160 00
For Iron Pipe, Finished.....	.....	.....	17 00	20 00	28 00	42 00	68 00	96 00	.....	190 00
Rough.....	.....	.....	16 00	18 00	25 00	38 00	60 00	84 00	.....	170 00
Flange and Thimble, Finished.....	.....	.....	25 00	29 00	42 00	56 00	.....	.....	.....	.....
Nickel Plated.....	.....	.....	28 50	32 50	46 00	60 00	.....	.....	.....	.....
Silver ".....	.....	.....	51 00	44 00	60 00	84 00	.....	.....	.....	.....

WASH TRAY BIBBS.

For Lead Pipe, Finished.....	.....	13 00	16 00	20 00	26 00	38 00	.....	.....	.....	.....
For Iron Pipe, ".....	.....	14 00	17 00	21 00	28 00	41 00	.....	.....	.....	.....
Flange and Thimble Finished.....	.....	.....	25 00	30 00	42 00	55 00	.....	.....	.....	.....

BATH BIBBS.

For Lead Pipe, Finished.....	.....	.....	20 00	27 00	40 00	.....	.....	.....	.....	.....
Nickel Plated.....	.....	.....	22 50	29 50	42 50	.....	.....	.....	.....	.....
Silver ".....	.....	.....	29 00	39 00	55 00	.....	.....	.....	.....	.....
For Iron Pipe, Finished.....	.....	.....	21 00	28 00	42 00	.....	.....	.....	.....	.....
Nickel Plated.....	.....	.....	23 50	30 50	45 00	.....	.....	.....	.....	.....
Silver ".....	.....	.....	30 00	40 00	52 00	.....	.....	.....	.....	.....
Flange and Thimble, Finished.....	.....	.....	29 00	37 00	56 00	.....	.....	.....	.....	.....
Nickel Plated.....	.....	.....	32 50	40 50	60 00	.....	.....	.....	.....	.....
Silver ".....	.....	.....	41 00	52 00	74 00	.....	.....	.....	.....	.....

PLAIN STOPS.

For Lead Pipe, Finished.....	10 50	12 50	15 50	18 50	25 00	37 00	62 00	86 00	134 00	175 00
Nickel Plated.....	12 50	14 50	18 00	21 00	27 50	40 00	.....	.....	.....	.....
Silver ".....	17 50	20 50	24 50	50 50	40 00	63 00	.....	.....	.....	.....
For Iron Pipe, Finished.....	11 50	13 50	16 50	20 50	27 00	40 00	.....	.....	.....	.....
Nickel Plated.....	13 50	15 50	19 00	23 00	29 50	43 00	.....	.....	.....	.....
Silver ".....	18 50	21 50	25 50	32 50	42 00	66 00	.....	.....	.....	.....

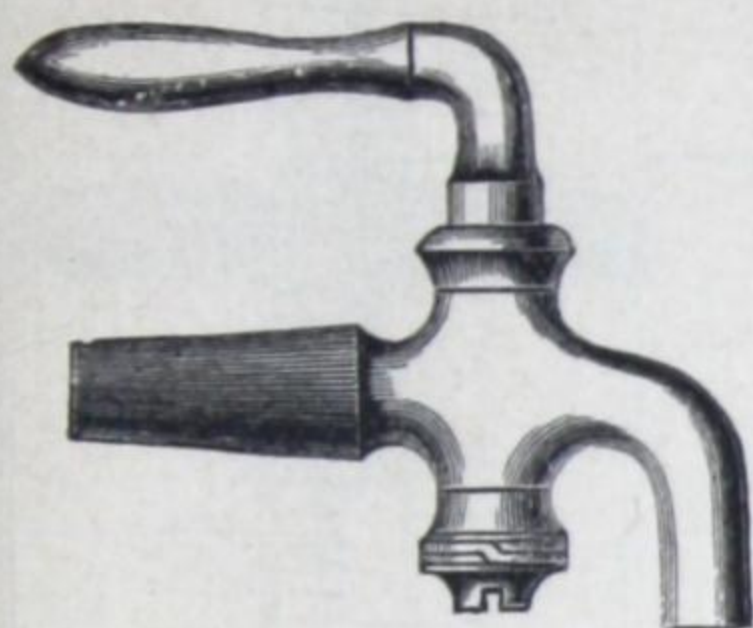
SHOWER STOPS.

For Lead Pipe, Finished.....	.....	14 00	17 00	20 00	27 00	40 00	.....	.....	.....	.....
Nickel Plated.....	.....	16 00	19 00	22 50	29 00	43 00	.....	.....	.....	.....
Silver ".....	.....	22 00	26 00	32 00	42 00	66 00	.....	.....	.....	.....
Flange and Handle, Finished.....	.....	.....	24 00	29 00	36 00	.....	.....	.....	.....	.....
Nickel Plated.....	.....	.....	26 50	31 50	38 00	.....	.....	.....	.....	.....
Silver ".....	.....	.....	33 00	41 00	51 50	.....	.....	.....	.....	.....
For Iron Pipe, Finished.....	.....	15 00	18 00	22 00	29 00	42 00	.....	.....	.....	.....
Nickel Plated.....	.....	17 00	20 50	24 50	31 50	46 00	.....	.....	.....	.....
Silver ".....	.....	23 00	27 00	34 00	44 00	69 00	.....	.....	.....	.....

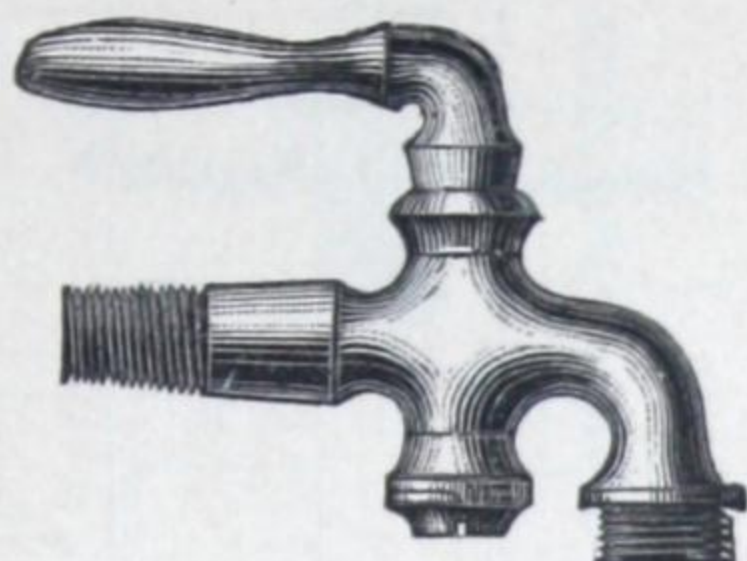
BALL COCKS.

For Lead Pipe.....	.....	10 00	12 00	15 00	19 50	30 00	50 00	.....	90 00	136 00
For Iron Pipe.....	.....	11 00	13 00	16 00	21 00	32 00	54 00	.....	96 00	144 00

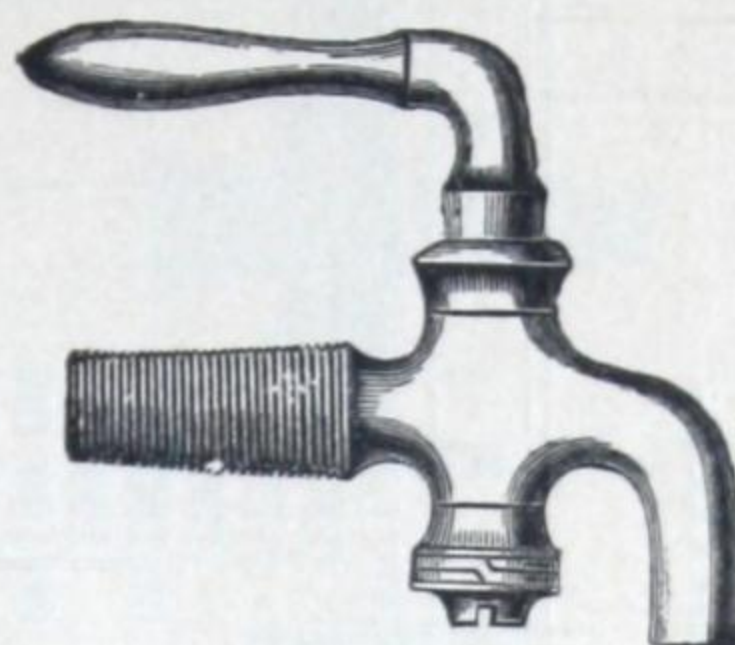
GROUND KEY WORK.



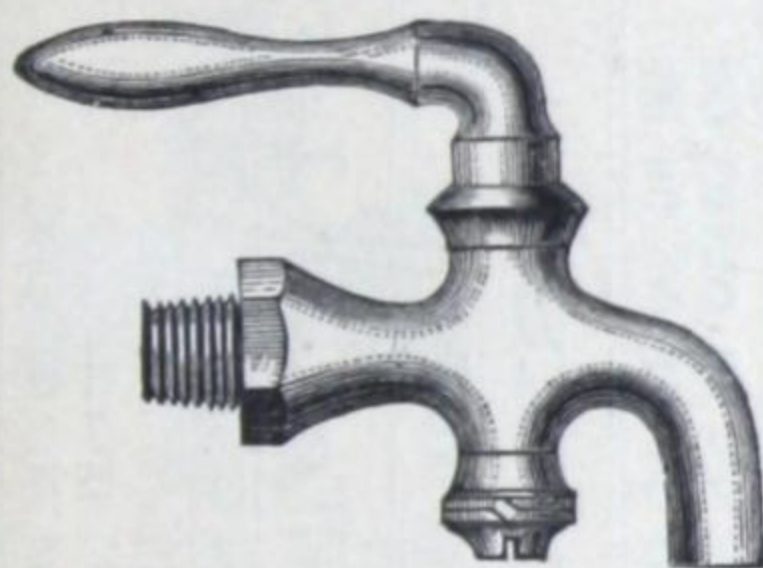
Plain Bibb.



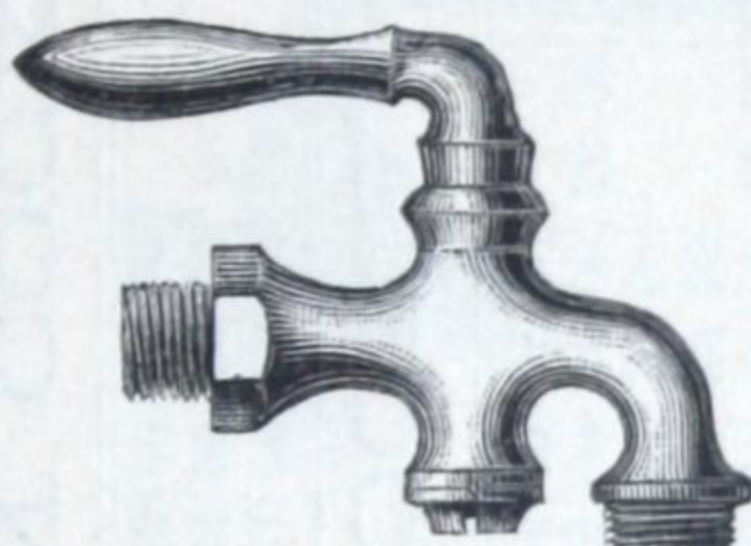
Hose Bibb.



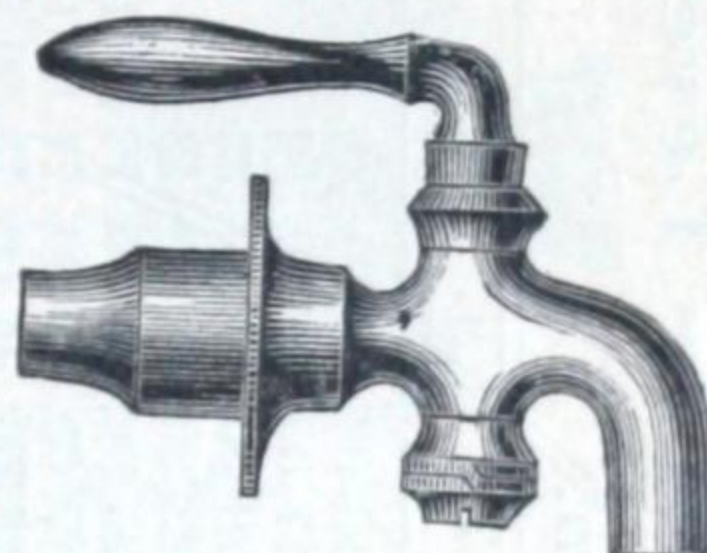
Screw Tail.



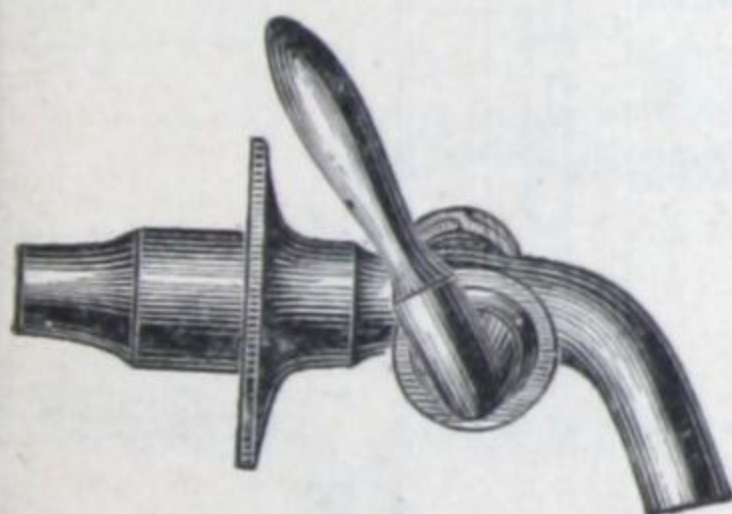
Plain Bibbs, for Iron Pipe.



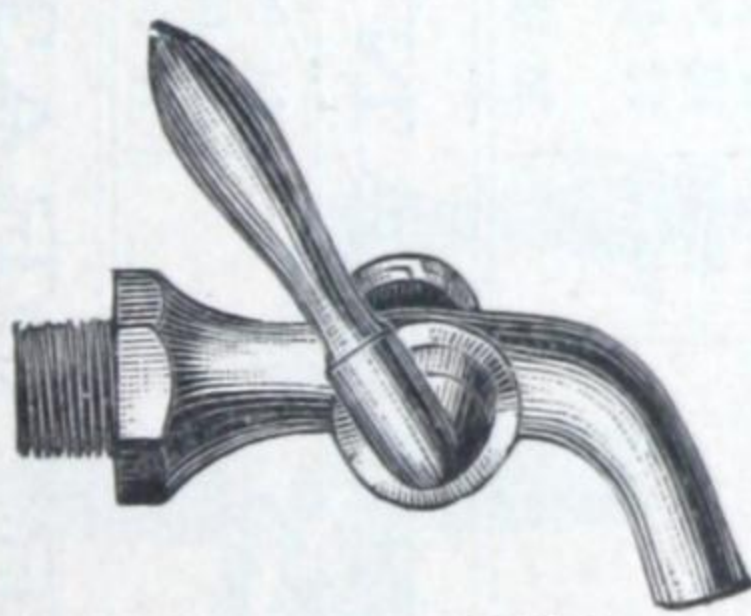
Hose Bibb, for Iron Pipe.



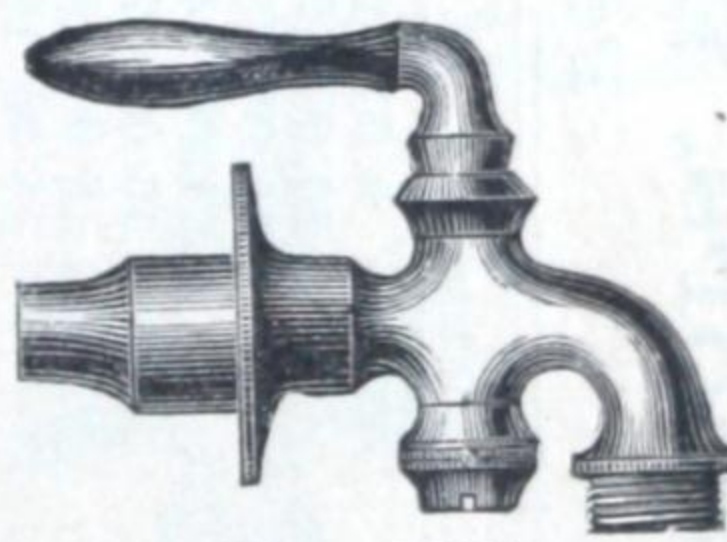
Plain Bibb, Flange and Thimble.



Wash Tray Bibb, Flange and Thimble.



Wash Tray Bibb, for Iron Pipe.



Hose Bibb, Flange and Thimble.



Wash Tray Bibb.



Basin Cock.



Counter Cock.

ROUGH STOPS, Etc.—Tee or Lever Handle.

Per Dozen.

Size.....	1/4	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	3 in.
For Lead Pipe,	7 00	9 00	12 00	15 00	19 00	28 00	46 00	64 00	85 00	110 00	180 00	250 00	350 00
“ Iron	8 00	10 00	13 00	16 00	21 00	31 00	50 00	70 00		120 00			
“ Lead Pipe with waste		10 00	13 00	16 00	20 50	30 00	99 00	68 00		170 00			
“ Iron		11 00	14 00		22 50	33 00	53 00	74 00		130 00			
Roundway, for Lead Pipe,		15 00	17 00	20 00	25 00	44 00	70 00	100 00	140 00	180 00			
“ Iron		16 00	18 00		27 00	47 00	74 00	106 00		190 00			
“ “ and waste,		16 00	18 00	21 00	26 50	46 00	73 00	104 00	148 00	190 00			
“ Iron		17 00	19 00		28 50	49 00	77 00	110 00		200 00			
For Lead and Iron Pipe,		9 50	12 50	16 00	20 00	29 50							
“ “ “ and waste,		10 50	13 50	17 00	21 50	31 50							
Hose Stops,							56 00	84 00	136 00	168 00	184 00	235 00	300 00
Street Washer and Stop for Iron Pipe,			36 00		46 00	66 00							

HYDRANT COCKS.

For Lead Pipe,	14 00	16 00	21 00	33 00	56 00								
“ Iron	16 00		24 00	39 00	60 00								
“ Lead and Iron Pipe,	15 00	16 50	23 00	36 00									

CORPORATION COCKS.

No. 1, 2, 3, 4 and 6,	15 00	18 00	22 00	32 00	50 00	100 00							
No. 5,	13 00	16 00	20 00	29 00	46 00	90 00							

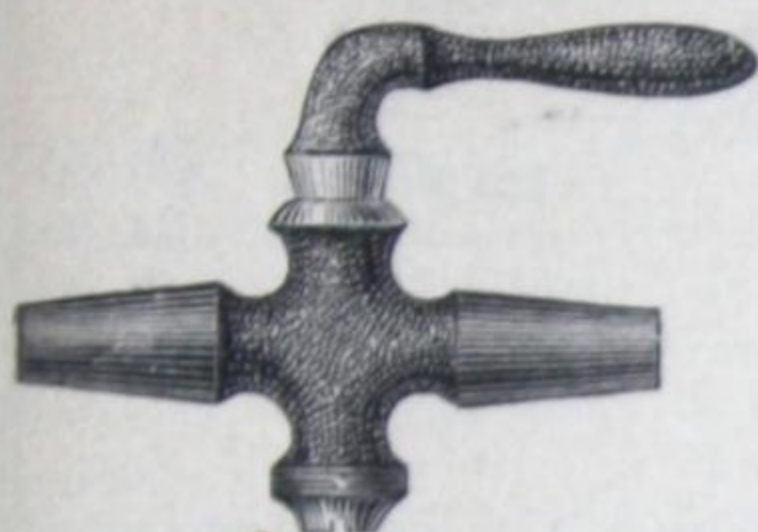
HOPPER COCKS.

Long Stem, Flange and Thimble,	24 00	30 00	36 00										
--	-------	-------	-------	--	--	--	--	--	--	--	--	--	--

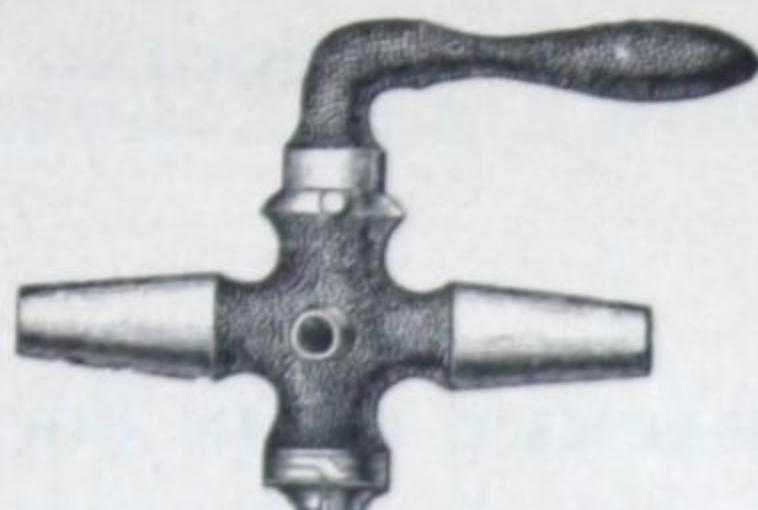
BROOKLYN HEAVY STOPS.—Tee or Lever Handle.

Stop for Lead Pipe,	28 00	48 00	78 00	102 00									
Stop and Waste for Lead Pipe,	28 00	48 00	78 00	102 00									
Stop for Iron Pipe,	32 00		86 00	108 00									
Stop and Waste for Iron Pipe,	32 00		86 00	108 00									

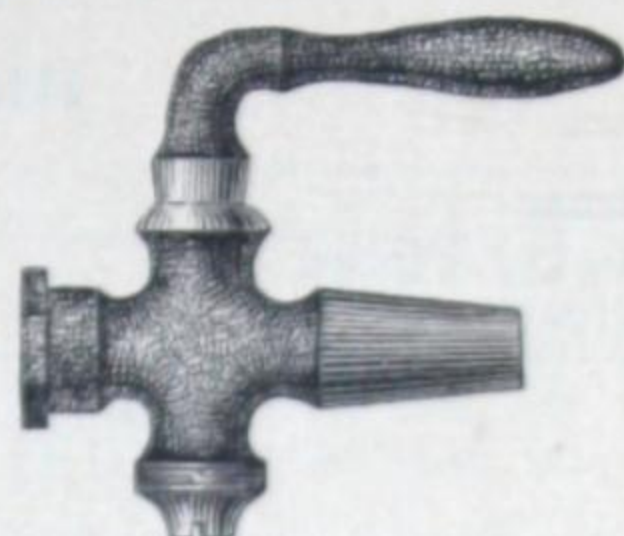
ROUGH STOPS.



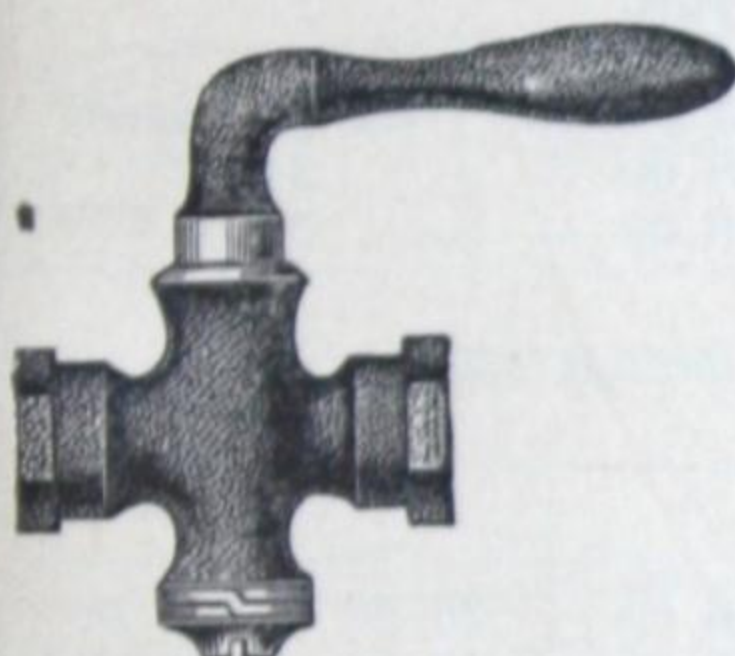
Plain.



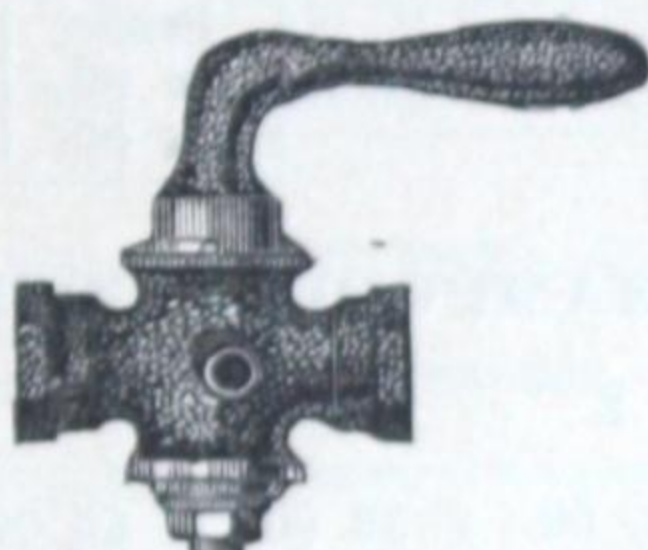
With Waste.



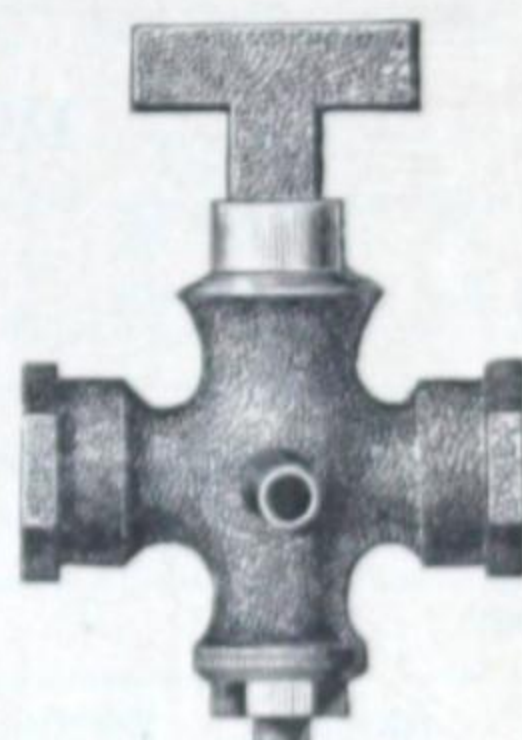
For Iron and Lead.



Iron Pipe.

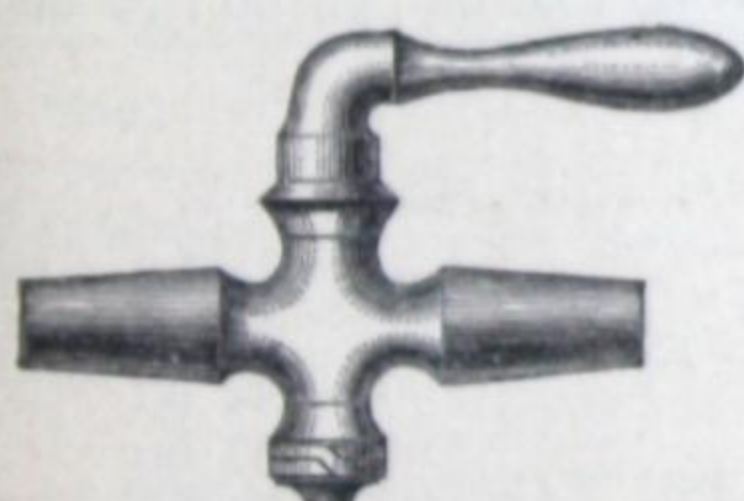


With Waste.

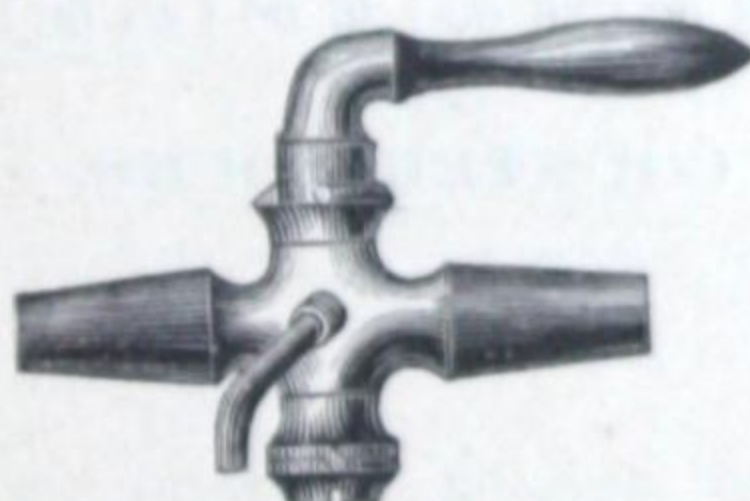


T Handle, Iron or Lead.

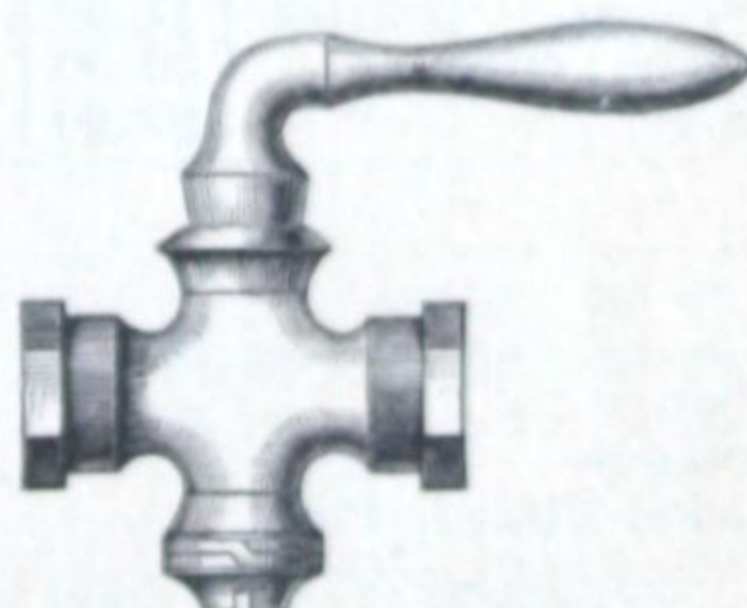
FINISHED STOPS.



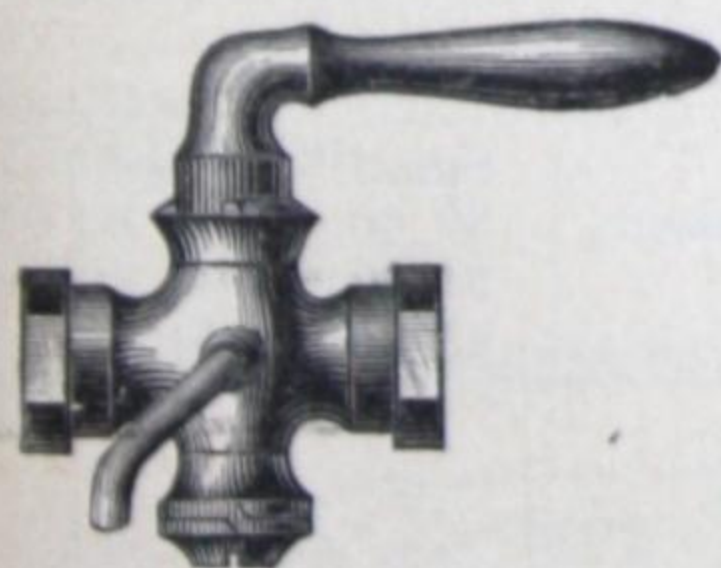
Plain.



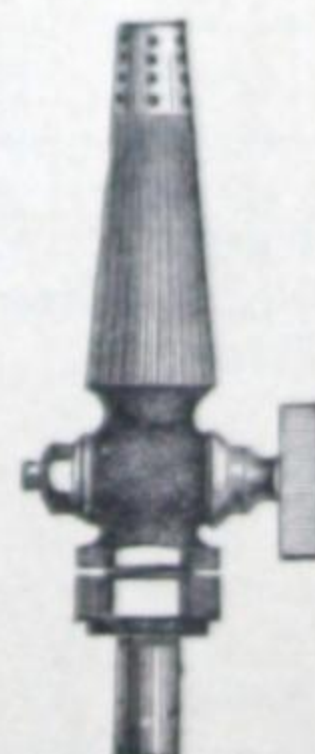
With Waste.



Iron Pipe.



With Waste.



ALE AND BEER COCKS.

GROUND KEY.

BRACKET SHAMPOOING COCKS.

Brass	per dozen,	\$30 00
Nickel Plated	"	34 00
Silver	"	42 00

BRACKET BASIN COCKS.

	per dozen,	Brass.	Nickel Plated.	Silver Plated.
Plain		18 00	22 00	26 00
Octagon	"	40 00	46 00	52 00

DOUBLE SHAMPOOING COCKS.

No. 1.	Each,	Brass.	Nickel Plated.	Silver Plated.
" 2.	"	24 00	28 00	34 00
		24 00	28 00	34 00

SHAMPOOING COCKS.

Number	1	2	3	4	5	6	7
Brass, per doz.	30 00	33 00	39 00	45 00	56 00	36 00	75 00
Nickel Plated "	36 00	39 00	45 00	51 00	57 00	42 00	83 00
Silver "	42 00	45 00	53 00	60 00	72 00	48 00	93 00

BASIN COCKS.

Number	0	1	2	3	4	5	6	7	8
Finished, per doz.	17 00	18 00	21 00	24 00	33 00	42 00	24 00	60 00	48 00
Nickel Plated, "	20 00	21 00	24 00	27 00	38 00	48 00	28 00	66 00	57 00
Silver, "	27 00	28 00	33 00	36 00	45 00	56 00	36 00	75 00	72 00

COUNTER COCKS.

Plain	per dozen,	50 00
Octagon	"	36 00
Nickel Plated, Plain	"	34 00
" " Octagon	"	37 00
Silver Plated, Plain	"	44 00
" " Octagon,	"	48 00

PANTRY COCKS—Plain.

	per dozen,	Small.	Large.
Brass,		30 00	36 00
Nickel Plated,	"	34 00	42 00
Silver,	"	45 00	51 00

PANTRY COCKS—Hose Ends.

	per dozen.	Small.	Large.
Brass,		33 00	39 00
Nickel Plated,	"	36 00	42 00
Silver,	"	48 00	54 00

COMPRESSION BRASS WORK.

COMPRESSION PLAIN BIBBS.

Size inch	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Finished, . . . per doz.	9 00	10 00	12 00	18 00	34 00	52 00	80 00	160 00
Rough,	8 50	9 50	11 00	17 00	30 00	44 00	68 00	140 00
Nickel Plated, . . .	11 00	12 50	14 50	20 50	37 00			
Silver,	16 50	19 00	24 00	33 00	60 00			

COMPRESSION PLAIN BIBBS—For Iron Pipe. No Shoulder.

Size inch	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished, per doz.	10 00	11 00	13 00	20 00	37 00
Rough,	9 50	10 50	12 00	19 00	33 00

COMPRESSION PLAIN BIBBS.—For Iron Pipe.

Screw Shank and Shoulder.

Size inch	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Finished, . . . per doz.	10 00	11 00	13 00	20 00	37 00	56 00	86 00	170 00
Rough,	9 50	10 50	12 00	19 00	33 00	48 00	74 00	150 00
Nickel Plated, . . .	12 00	13 50	15 50	22 50	40 00			
Silver,	17 50	20 00	25 00	35 00	63 00			

COMPRESSION PLAIN BIBBS.—Flange and Thimble.

Size inch	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished, per doz.	16 00	18 00	21 00	28 00	51 00
Nickel Plated,	20 50	21 50	24 50	32 00	55 00
Silver,	30 00	30 00	36 00	44 00	79 00

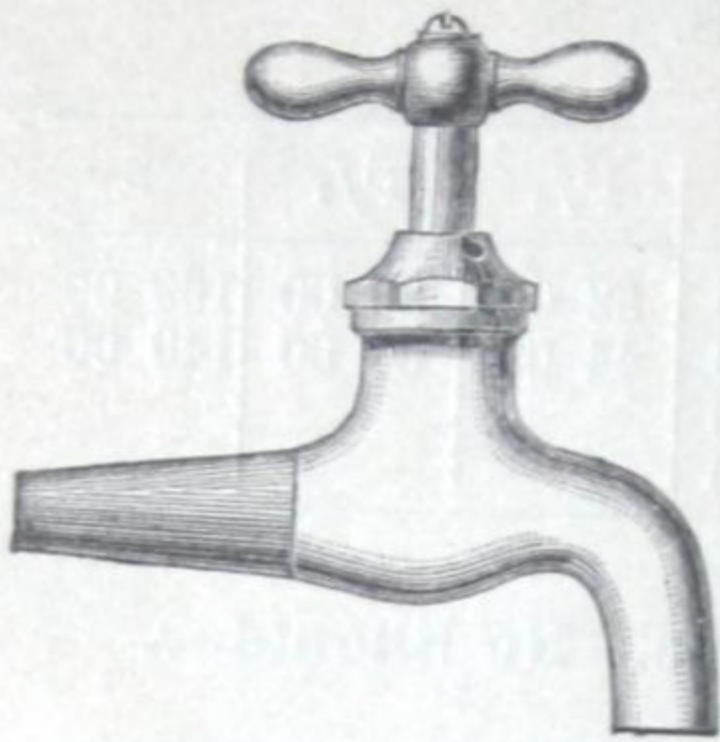
COMPRESSION PLAIN BIBBS.—Flange Nut and Bent Coupling.

Size inch	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Finished, per doz.	25 00	32 00	44 00
Nickel Plated,	28 50	35 50	48 00
Silver,	36 00	47 00	60 00

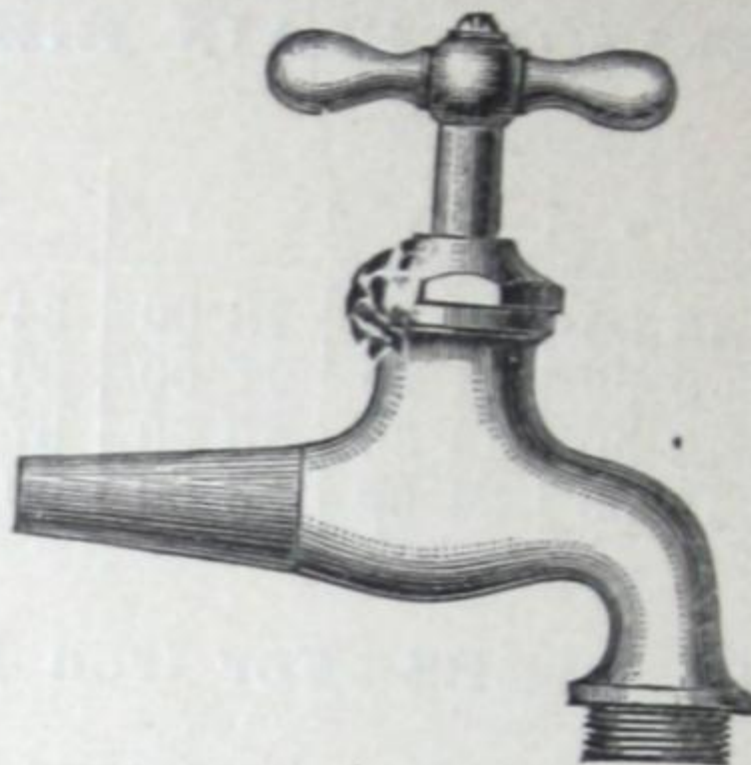
COMPRESSION HOSE BIBBS.—For Lead Pipe.

Size inch	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Finished, . . . per doz.	10 00	11 00	13 00	20 00	37 00	56 00	86 00	170 00
Rough,	9 50	10 50	12 00	19 00	33 00	48 00	74 00	150 00
Nickel Plated, . . .	12 00	13 50	15 50	22 50	40 00			
Silver,	20 00	20 00	25 00	35 00	63 00			

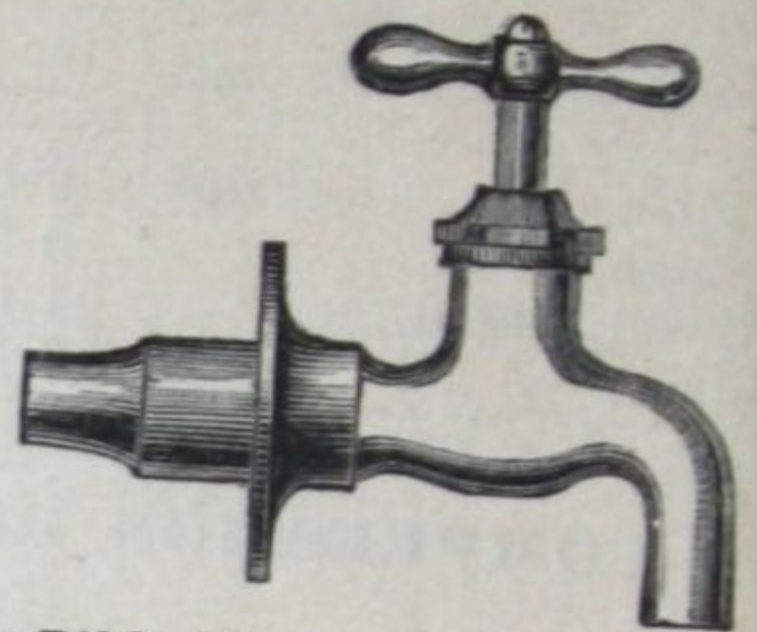
COMPRESSION BRASS WORK.



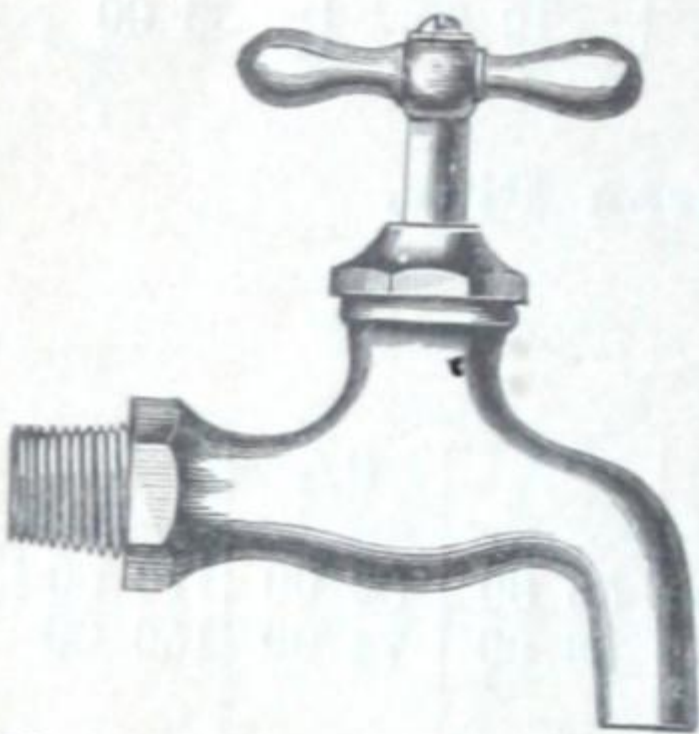
Plain Bibb.



Hose Bibb.



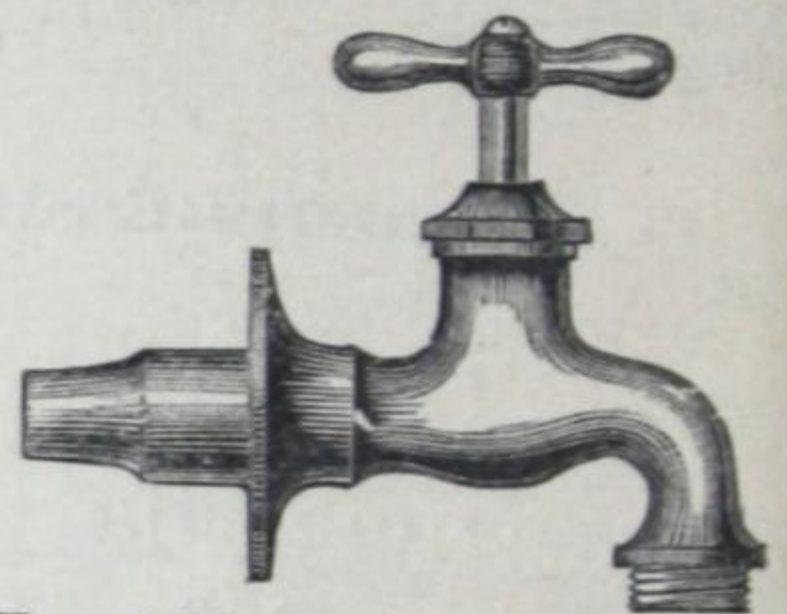
Plain Bibb, Flange and Thimble.



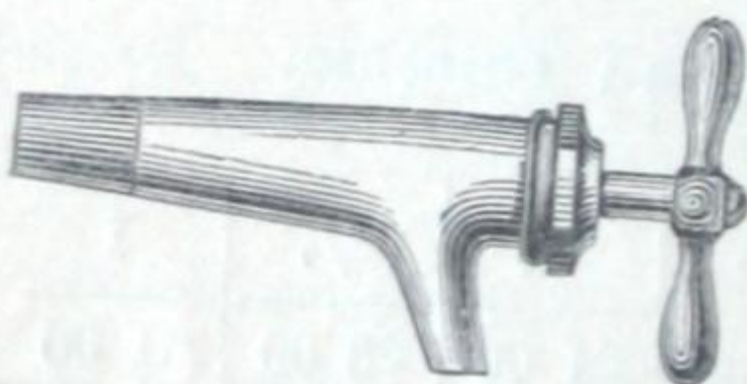
Plain Bibb, for Iron Pipe.



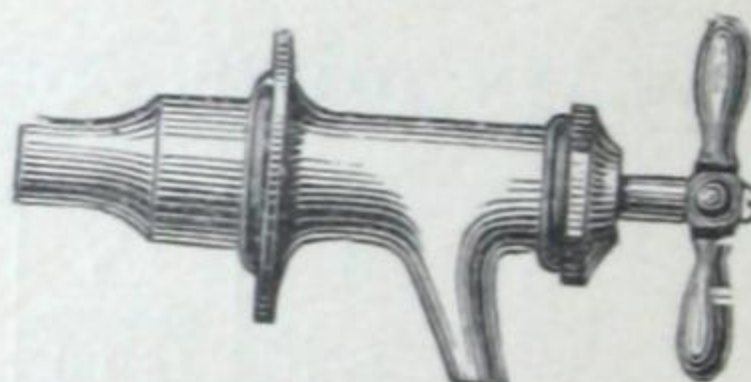
Hose Bibb, for Iron Pipe.



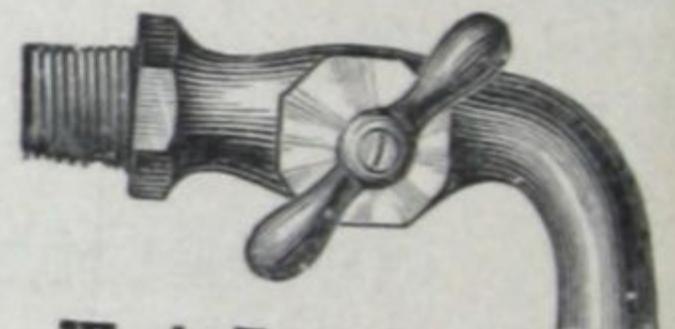
Hose Bibb, Flange & Thimble.



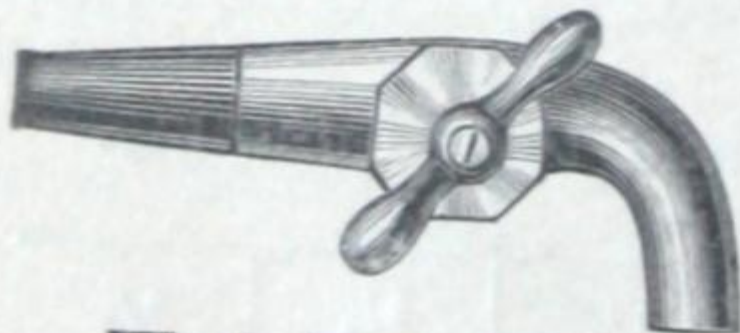
Wash Tray Bibb, Straight.



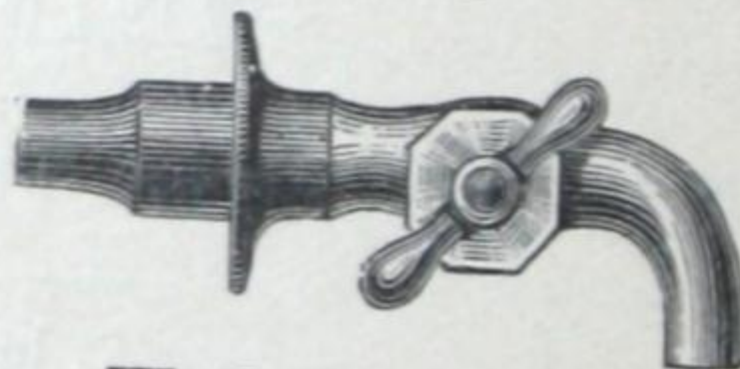
Wash Tray, Flange & Thimble.



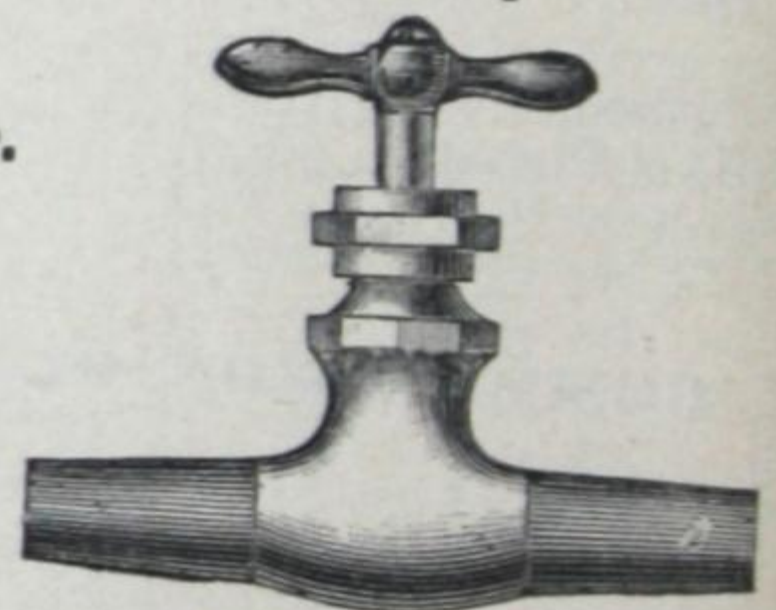
Wash Tray Bibb, for Iron Pipe.



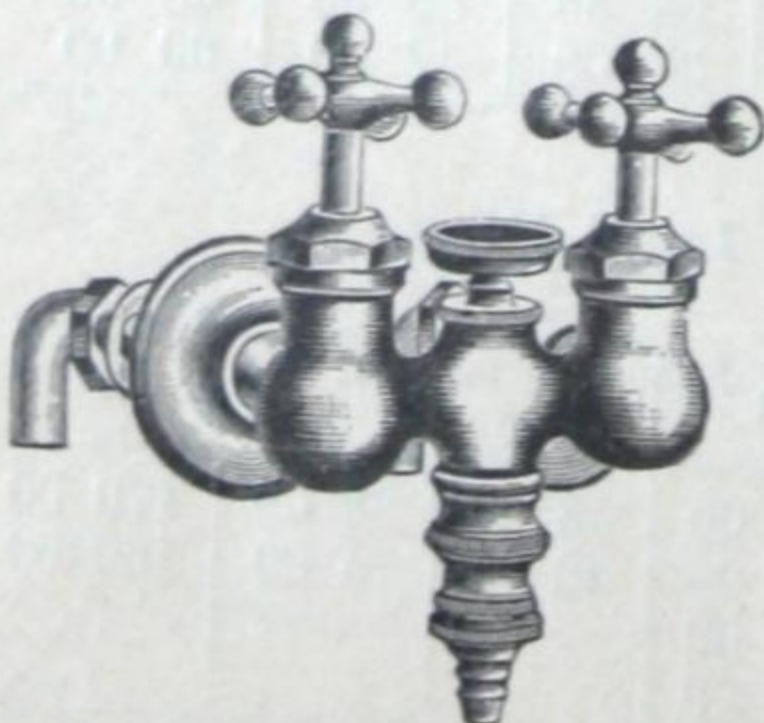
Wash Tray Bibb.



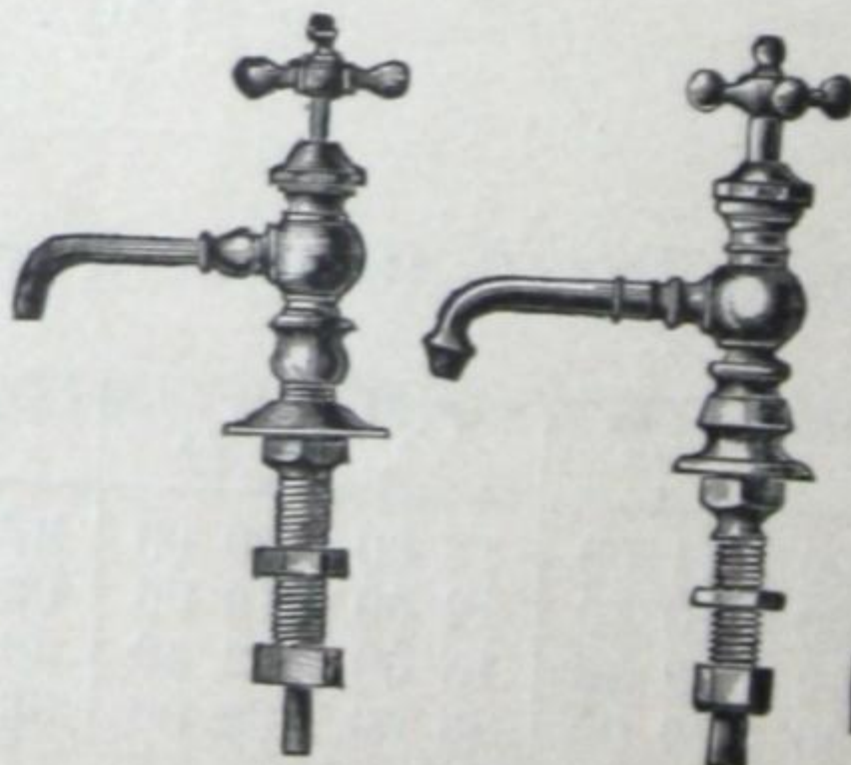
Wash Tray Bibb.



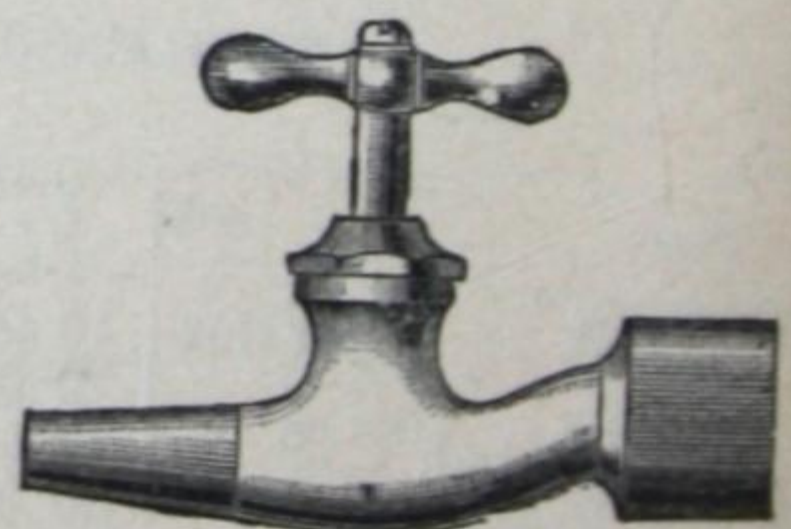
Plain Stop.



Double Bath Cock.



Basin Cocks.



Urinal Stop.

COMPRESSION HOSE BIBBS.—For Iron Pipe, No Shoulder.

Size..... inch	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished, per doz.	11 00	12 00	14 00	22 00	40 00
Rough, "	10 50	11 50	13 00	21 00	36 00

COMPRESSION HOSE BIBBS.—For Iron Pipe.

Screw Shank and Shoulder.

Size..... inch	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Finished, per doz.	11 00	12 00	14 00	22 00	40 00	60 00	92 00	180 00
Rough, "	10 50	11 50	13 00	21 00	36 00	52 00	80 00	160 00

COMPRESSION HOSE BIBBS.—Flange and Thimble.

Size..... inch	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished, per doz.	17 00	19 00	22 00	30 00	54 00
Nickel Plated, "	20 50	22 50	25 50	34 00	58 00
Silver " "	30 50	31 00	37 00	46 00	82 00

COMPRESSION HOSE BIBBS.—Flange, Nut and Bent Coupling.

Size..... inch	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Finished, per doz.	26 00	33 00	46 00
Nickel Plated, "	30 00	36 50	50 00
Silver " "	37 00	48 00	62 00

COMPRESSION WASH TRAY BIBBS.—Straight.

Size..... inch	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished, per doz.	10 00	11 00	13 00	20 00	36 00

COMPRESSION WASH TRAY BIBBS.—Flange and Thimble.

Size..... inch	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished, per doz.	17 00	19 00	22 00	30 00	53 00

COMPRESSION WASH TRAY BIBBS.

Flange, Nut and Bent Coupling.

Size..... inch	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Finished, per doz.	26 00	33 00	46 00

COMPRESSION WASH TRAY BIBBS.—Straight.

Screwed for Iron Pipe, with Shoulder.

Size..... inch	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished, per doz.	11 00	12 00	14 00	22 00	39 00

COMPRESSION BATH BIBBS.

Size.....inch	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
For Lead Pipe, Finished, per doz.	14 00	17 00	26 00	42 00
Nickel Plated, "	16 50	19 50	28 00	45 00
Silver " "	23 00	29 00	41 00	68 00
For Iron Pipe, Finished, "	15 00	18 00	28 00	45 00
" " " Nickel Plated "	17 50	20 50	30 50	48 00
" " " Silver " "	24 00	30 00	43 00	71 00
Flange and Thimble, Finished, "	22 00	26 00	36 00	59 00
" " " Nickel Plated, "	25 50	29 50	40 00	63 00
" " " Silver " "	32 00	40 00	52 00	87 00
Flange, Nut and Bent Coupling, Finished, "	29 00	37 00	52 00	
" " " Nickel Plated, " "	32 50	40 50	56 00	
" " " Silver " "	40 00	52 00	68 00	

COMPRESSION PLAIN STOPS.

Size inch	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$
Finished, per doz.	10 00	11 00	13 00	19 50	36 00	66 00	96 00
Rough, "	9 50	10 50	12 00	18 50	32 00	54 00	84 00
Nickel Plated, "	12 00	13 50	15 50	22 00	39 00		
Silver " "	17 50	20 00	25 00	34 50	62 90		

COMPRESSION STOPS.—For Iron Pipe.

Size inch	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$
Finished, per doz.	11 00	12 00	21 00	38 00	69 00
Rough, "	10 50	11 50	20 00	35 00	57 00

COMPRESSION STOPS.—With Flange and Rose Handle.

Tee Handles \$2 per doz. Less.

Size.....inch	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Finished, per doz.	20 00	24 00	28 50	38 00
Nickel Plated, "	22 00	26 50	39 00	40 00
Silver " "	27 50	33 00	40 50	53 00

COMPRESSION STOP AND WASTE.—For Lead Pipe.

Size.....inch	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$
Finished, per doz.		15 50	18 50	25 50	44 00	
Rough, "		14 00	17 00	24 00	42 00	

COMPRESSION STOP AND WASTE.—For Iron Pipe.

Size.....inch	$\frac{1}{2}$	$\frac{3}{4}$	1
Finished, per doz.	16 50	27 00	46 00
Rough, "	15 00	25 50	44 00

COMPRESSION STOPS.—For Lead and Iron Pipe.

With or Without Waste.

Size.....inch		$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1
Finished,	per doz.	13 50	16 50	26 00	45 00
Rough,	"	12 00	15 00	24 00	42 00
Nickel Plated,	"	18 50	23 00	35 00	57 00
Silver "	"	26 50	32 00	51 00	78 00

COMPRESSION PANTRY COCKS.

		Tee Handle.	Four Arm of Wheel Handle.
Finished,	per doz.	30 00	33 00
Nickel Plated,	"	34 00	36 00
Silver "	"	45 00	48 00

COMPRESSION PANTRY COCKS.—For Hose.

		Tee Handle.	Four Arm or Wheel Handle.
Finished,	per doz.	33 00	36 00
Nickel Plated,	"	36 00	39 00
Silver "	"	48 00	51 00

COMPRESSION PANTRY COCKS.—Large, Plain Ends.

Finished,	per doz.	60 00
Nickel Plated,	"	72 00
Silver "	"	85 00

COMPRESSION PANTRY COCKS.—Large, Hose End.

Finished,	per doz.	63 00
Nickel Plated,	"	75 00
Silver "	"	88 00

COMPRESSION BASIN COCKS.

Numbers.....		0	1	3	3 & 4	5	6	7	8
Finished,	per doz.	15 00	17 00	18 00	20 00	22 00	24 00	26 00	30 00
Nickel Plated,	"	18 00	20 00	21 00	24 00	26 00	28 00	30 00	45 00
Silver "	"	26 00	27 00	31 00	34 00	35 00	38 00	42 00	54 00

COMPRESSION BASIN COCKS.—For Back of Slab.

Finished,		each	5 00
Nickel Plated,		"	6 00
Silver	"	"	7 00

COMPRESSION DOUBLE BATH COCKS.

Complete with Sprinkler.

Numbers.....		1	2	3	4
Finished,	each	7 00	7 50	7 50	8 00
Nickel Plated,	"	7 50	7 50	8 00	10 50
Silver	"	9 00	9 00	9 50	12 00

Add for Rubber Tube 20 cents per foot.

COMPRESSION HOPPER COCKS.

Size.....inch		1/2	5/8	3/4
Rough Finished Flange and Handle,	per doz.	18 00	21 00	24 00
" Nickel Plated Handle,	"	24 50	28 50	33 00
" Silver	"	33 50	38 00	49 00

COMPRESSION HOPPER COCKS.—Screwed for Iron Pipe.

Size.....inch		1/2	5/8	3/4
Rough Finished Flange and Handle,	per doz.	19 00	22 00	26 00
" Nickel Plated Flange and Handle,	"	25 50	29 50	35 00
" Silver	"	34 50	38 50	51 00

COMPRESSION HYDRANT COCKS.

Size.....inch		1/2	5/8
Rough,	per doz.	18 00	20 00
" Side Inlet,	"	18 00	20 00

COMPESSION HYDRANT COCKS.—For Iron Pipe.

Size.....inch		1/2	3/4
Rough,	per doz.	20 00	22 00
" Side Inlet,	"	20 00	22 00

COMPRESSION BALL COCKS.

Size.....inch		3/8	1/2	5/8	3/4	1
For Lead Pipe,	per doz.	8 50	9 50	11 00	17 00	30 00
" Iron	"	9 50	10 50	12 00	19 00	33 00

BASIN GRATES.

Size.....	1	1 1/8
Finished.....per doz.	12 00	16 00
Nickel Plated....."	14 00	20 00
Silver....."	18 00	26 00

PLUG AND COUPLING.—For Soap Stone Trays.

Size.....inch	1	1 1/4	1 1/2	2
Price.....per doz.	15 00	16 00	26 00	40 00

PLUGS FOR EARTHEN SINKS.

Size.....inch	1	1 1/4	1 1/2
Brass.....per doz.	15 00	17 00	21 00
Nickel Plated....."	18 00	21 00	25 00
Silver....."	24 00	26 00	31 00

BATH OR SINK PLUGS.

Size.....inch	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
Finished.....per doz.	2 00	2 50	3 50	4 50	11 00	15 00	18 00	40 00
Nickel Plated....."	4 00	4 50	5 50	6 50	14 00	19 00	25 00	51 00
Silver....."	8 50	9 00	9 50	10 50	19 00	24 00	43 00	78 00

WASH TRAY PLUGS.

Size.....inch	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
Finished.....per doz.	3 50	3 75	6 00	7 00	10 00	20 00	22 00	44 00

BATH WASTES AND WASHERS.

Size.....inch	1	1 1/4	1 1/2	2	2 1/2	3	4
Narrow Flange.....per doz.	8 00	9 00	12 00	15 22	24 00	30 00	60 00
Wide....."	10 00	12 00	16 00	22 00	36 00	42 00	72 00

URINAL SHIELDS.—Flat and Corner.

	Finished.	Nickel Plated.	Silver Plated.
Top.....each	1 50	3 00	4 50
Bottom....."	2 50	4 00	6 50

CISTERN VALVES.

Size.....	1 1/2	2	2 1/2	3
Regular.....per doz.	12 00	34 00	40 00	50 00
With Vent....."	26 00	54 00	70 00	70 00

DECK SCREWS.

Size..... inch	1	1 ¹ / ₄	1 ¹ / ₂	2	2 ¹ / ₂	3
Price, per doz.	10 00	12 00	14 00	18 00	24 00	33 00

BOILER COUPLINGS.—Straight for Copper Boiler.

Size... inch	1 ¹ / ₂	3 ³ / ₄	1
Plain, per doz.	7 50	8 00	11 00
Ground Face, “	8 00	8 50	11 50

BOILER COUPLINGS.—Bent for Copper Boiler.

Size inch	1 ¹ / ₂	3 ³ / ₄	1
Plain, per doz.	8 50	9 00	11 50
Ground Face, “	9 00	9 50	12 50

IRON BOILER COUPLINGS.

Size inch	3 ³ / ₄
Three bent and one straight, per set	2 75

PLAIN COUPLINGS.—For Lead Pipe.

Size inch	1 ¹ / ₄	3 ³ / ₈	1 ¹ / ₂	5 ⁵ / ₈	3 ³ / ₄	1	1 ¹ / ₄	1 ¹ / ₂	2	2 ¹ / ₂	3
Finished..... per doz.	3 00	3 50	4 00	5 00	6 50	10 00	15 00	20 00	30 00	40 00	65 00
Ground Face... “	4 00	4 50	5 00	6 50	8 00	12 00	18 00	24 00	36 00	48 00	75 00

VALVE COUPLINGS.—For Lead Pipe.

Size..... inch	3 ³ / ₈	1 ¹ / ₂	5 ⁵ / ₈	3 ³ / ₄	1	1 ¹ / ₄	1 ¹ / ₂	2
Ground Valve and Seat, . . . per doz.	9 00	10 00	12 00	15 00	20 00	30 00	40 00	60 00
Leather Valve, Raised Seat, “			41 00	43 00	46 00	53 00	72 00	
Screwed for Iron Pipe, Add., “	1 00	2 00	4 00	5 00	6 00	8 00	12 00	12 00

WATER BACK COUPLINGS.—Straight.

Size..... inch	1 ¹ / ₂	3 ³ / ₄	1
Plain, per doz.	6 50	7 50	11 00
Ground Face, “	7 50	8 00	12 00

WATER BACK COUPLINGS.—Bent.

Size inch	1 ¹ / ₂	3 ³ / ₄	1
Plain, per doz.	7 50	8 50	12 00
Ground Face, “	8 50	9 00	3 00

STREET WASHER CHECKS AND GUIDES.

Price,	per doz. 3 00
------------------	---------------

HYDRANT HANDLES AND GUIDES.

Straight,	per doz. 7 00	Triangle,	per doz. 8 00
---------------------	---------------	---------------------	---------------

HYDRANT NOZZLES.

Size. inch	$\frac{1}{2}$	$\frac{3}{4}$	1
For Lead Pipe, per doz.	8 00	9 00	16 00
" Iron " "	8 00	10 50	16 00

FAN SCREWS.

Price,	per doz. 2 00
------------------	---------------

TRAP SCREWS.

Size. inch	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6
Price, per doz.	2 00	2 50	3 00	3 50	4 50	8 00	12.	18.	26.	30.	40.	60.

HOSE BIBB ENDS.

Size. inch	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, per doz.	2 50	2 50	2 50	2 50	3 50	6 00	8 00	15 24
With Set Screw, "	7 50	7 50	7 50	8 00	10 00	12 00	16 00	24 00

STRAINERS.—Plain or Fancy.

Size. inch	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6
Price, per doz.	60	85	1 20	1 45	1 80	2 40	3 00	3 60	4 80	9 00	12.

STRAINERS.—Convex.

Size. inch	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6
Light, per doz.	96	1 44	1 80	2 40	3 00	3 60	4 20	4 80	6 00	12.	15.
Heavy, "					4 00	4 50	8 00				

VACUUM VALVES.

For Iron Boiler,	per doz. 36 00
" Copper Boiler, Boston,	" 15 00
" " " with Boston,	" 48 00

VACUUM AND SAFETY VALVES.

Price,	each 8 00
------------------	-----------

BRASS FERRULES.

Size inch	2	3	4	5	6
Price, each	0 40	0 75	1 00	2 00	4 00
“ with Trap Screw, “	0 90	1 50	2 50	5 00	6 50
“ “ BENT, “	1 00	1 50	2 25		

HYDRANT CLAMPS.

For $\frac{1}{2}$ and $\frac{5}{8}$ inch Cocks,	per doz. 2 50
“ $\frac{3}{4}$ and 1 inch “	“ 3 50

WATER FILTERS.

	Finished.	Nickel Plated.	Silver Plated.
Croton, per doz.	5 00	6 00	8 36
Globe, “	20 00	27 00	36 00
Large, “	24 00	27 00	36 00
Latting, “	9 00		
Grant's Small, “		30 00	

HOSE PIPES.

SHORT HOSE PIPES.—Plain.

Size inch	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$
Length	8	8	12	12	12	15
Price, per doz.	7 00	9 00	20 00	24 00	38 00	65 00

SHORT HOSE PIPES.—Screw Tip.

Size inch	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$
Length,	8	8	12	12	12	15
Price, per doz.	8 00	10 00	20 00	25 00	38 00	75 00

SHORT HOSE PIPES.—Cock on Large End.

Size inch	$\frac{3}{4}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$
Length,	6	8	8	12	12	12	15
Price, per doz.	11 00	13 00	15 00	40 00	60 00	80 00	150 00

LONG HOSE PIPES.—Screw Tips.

Size inch	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$
Length,	12	12	15	20	15	20	20	24
Price, per doz.	10 00	12 00	24 00	30 00	30 00	35 00	50 00	100 00

LONG HOSE PIPES.—Cock on Large End.

Size..... inch	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{1}{2}$	2
Length, "	12	12	15	20	15	20	20
Price, per doz.	18 00	20 00	45 00	55 00	55 00	80 00	110 00

HOSE NOZZLES.—To Tie On.

Size inch	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$
Length, "	$4\frac{1}{2}$	$4\frac{1}{2}$	$4\frac{1}{2}$	$4\frac{1}{2}$	$4\frac{1}{2}$
Price, per doz.	3 00	3 50	4 00	6 00	8 50

COMPRESSION HOSE PIPES.

Size..... inch	$\frac{3}{4}$	$\frac{3}{4}$	1	1
Length, "	8	12	8	12
Price, per doz.	20 00	24 00	24 00	28 00

STEAM HOSE COUPLINGS.

Size..... inch	$\frac{3}{4}$	1	$1\frac{1}{4}$	$2\frac{1}{2}$	2	$2\frac{1}{2}$
Price, per doz.	16 00	18 00	25 00	33 00	42 00	75 00

HOSE COUPLINGS.—For Rubber Hose.

Size..... inch	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Price, per doz.	3 00	3 00	4 50	10 00	14 00	24 00	48 00	76 00	120 00	150 00
For Either Part of Coupling, Two-thirds of List Price.										

HOSE COUPLINGS.—With Bands for Linen or Leather Hose.

Size..... inch	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Price, per doz.	24 00	30 00	42 00	51 00	96 00	150 00	200 00

FIRE HOSE COUPLINGS.—With Clamps.

Size..... inch	$2\frac{1}{4}$	$2\frac{1}{2}$	3
Price, per doz.	51 00	51 00	96 00

DOUBLE FEMALE COUPLINGS.

Size..... inch	$2\frac{1}{2}$
Price, each	5 00

SUCTION HOSE COUPLINGS.

Size....inch	2	2 $\frac{1}{2}$	3	3 $\frac{1}{2}$	4	4 $\frac{1}{2}$	5	5 $\frac{1}{2}$	6	6 $\frac{1}{2}$	7	8
Each, .	4 00	5 25	7 50	9 50	12 50	16 00	20.	24.	28.	40.	54.	80.

FITTINGS FOR LEATHER HOSE PIPE.

Size.....inch	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$
Per Set, Plain,	2 00	2 50	3 00
“ with Screw Tip,	2 75	3 25	4 00

IRON FLANGE SUCTION COUPLINGS.

Size....inch	1 $\frac{1}{2}$	3	3 $\frac{1}{2}$	4	4 $\frac{1}{2}$	5	5 $\frac{1}{2}$	6	6 $\frac{1}{2}$	7	8
Each, .	4 00	4 50	5 50	6 00	7 00	8 00	9 00	10.	12.	14.	20.

HOSE SPRINKLERS.

Size.....inch	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3	3 $\frac{1}{2}$	4
Price, per doz.	3 50	4 50	6 00	9 00	12 00	18 00

With Nipple for Rubber Hose, add \$1.50.

HOSE NIPPLES.

Size..... inch	1 $\frac{1}{2}$	3 $\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3	3 $\frac{1}{2}$	4
Each,	0 30	0 30	0 40	0 55	0 75	1 00	2 00	3 00	4 00	5 00

HOSE CAPS.—With Chain.

Size.....inch	3 $\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$
Finished, each	1 00	1 25	1 75	2 25	3 00	3 50
Rough, without Chain or Swivel, “	0 60	0 75	1 15	1 50	2 00	2 50

RATH'S PATENT HOSE CLAMPS.

Size.....inch	1 $\frac{1}{2}$	3 $\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$
Each,	0 12	0 12	0 15	0 20	0 26	0 35	55 00

SOLDERING NIPPLES AND UNIONS.

Size..... inch	1 $\frac{1}{4}$	3 $\frac{3}{8}$	1 $\frac{1}{2}$	3 $\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3
Unions, per doz.	2 25	2 75	3 25	4 00	6 00	8 50	12 00	18 00	24 00	33 00
Nipples, “	1 75	2 25	2 50	3 00	5 00	7 50	10 00	14 00	20 00	28 00

FULLER'S SELF-CLOSING FAUCETS, Etc.

PER DOZEN.

Size.....	inch	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
Plain Bibbs, Finished	18	21	27	36	54	72	108	124	
" " Rough	16	19	25	34	50	66	96	108	
" " Fire Plated	36	42	54	72	.....	.....	.....	.....
" " Flange and Thimble	27	30	36	48	.....	.....	.....	.....
" " " " Fire Plated	48	54	66	96	.....	.....	.....	.....
" " Screwed for Iron Pipe	21	24	30	40	60	80	116	144	
" " " " Rough	19	22	28	38	56	74	104	128	
" " " " Fire Plated	39	45	57	77	.....	.....	.....	.....
" " Flange, Nut, and Bent Coupling	40	46	56	.....	.....	.....	.....	.....
" " " " Fire Plated	60	68	88	.....	.....	.....	.....	.....
Hose Bibbs, Finished	21	24	30	40	60	80	116	144	
" " Rough	19	22	28	38	56	74	104	128	
" " Fire-Plated	39	45	57	79	.....	.....	.....	.....
" " Flange and Thimble	30	33	39	52	.....	.....	.....	.....
" " " " Fire-Plated	54	60	.....	.....	.....	.....	.....	.....
" " Screwed for Iron Pipe, Finished	24	27	33	44	66	88	124	164	
" " " " Rough	22	25	31	42	62	82	112	148	
" " Flange, Nut and Bent Coupling	43	53	67	.....	.....	.....	.....	.....
" " " " Fire Plated	64	76	96	.....	.....	.....	.....	.....
Bath Bibbs, Finished	18	21	27	36	54	72	108	124	
" " Rough	16	19	25	34	50	66	96	108	
" " Fire Plated	36	42	54	72	.....	.....	.....	.....
" " with Screw Shank, Finished	21	24	30	40	60	80	116	144	
" " " " Rough	19	22	28	38	56	74	104	128	
" " Flange and Thimble	27	27	30	36	.....	.....	.....	.....
" " " " Fire Plated	48	54	66	96	.....	.....	.....	.....
" " Flange, Nut and Bent Coupling	40	46	56	.....	.....	.....	.....	.....
" " " "	60	68	88	.....	.....	.....	.....	.....
Wash Trays, Finished	21	24	30	42	.....	.....	.....	.....
" Bibbs, Fire Plated	39	45	58	.....	.....	.....	.....	.....
" " Screwed for Iron Pipe	24	27	33	46	.....	.....	.....	.....
" " Flange and Thimble	30	33	39	54	.....	.....	.....	.....
" " " " Fire Plated	52	58	70	.....	.....	.....	.....	.....
" " Flange, Nut and Bent Coupling	43	48	60	.....	.....	.....	.....	.....
Long Stem Hopper Cocks	23	27	33	.....	.....	.....	.....	.....
Stops, with Coupling, Rough	18	22	28	37	56	72	100	116	
" " Finished	20	24	30	40	60	78	114	134	
" " Fire Plated	38	45	57	76	.....	.....	.....	.....
Ball Cock and Ball	24	27	40	48	140	200	.....	224	
" " for Iron Pipe	27	32	46	54	148	220	.....	240	

"FULLER" COMBINATION DOUBLE BATH COCK.

No. 1, for Hot and Cold Water, complete, with Rubber Hose and Shower,	each	22 00
No. 2, with Soap Cup, for Hot and Cold Water,	"	18 00
No. 3,	"	18 00
No. 4, No Soap Cup, complete, with Rubber Hose and Shower,	"	17 00
Fuller-Meyer Patent, large, complete, No. 1,	"	24 00
" " with Metal Handles, No. 2,	"	20 00

"FULLER" DOUBLE BASIN BRACKET AND SHOWER.

No. 1, to correspond with Fuller's Combination Double Bath Cock, No. 1,	18 00
---	-------

"FULLER" COMBINATION DOUBLE BASIN COCK.

No. 4 for Back of Slab, to match Fuller's Combination Double Bath Cock, No. 4,	12 00
--	-------

"FULLER" SWING BRACKET BASIN COCK.

Finished,	per doz.	40 00	Fire-Plated,	per doz.	50 00
-----------------	----------	-------	--------------------	----------	-------

"FULLER" SWING BRACKET SHAMPOO COCK.

Finished,	per doz.	48 00	LARGE SIZE, Finished,	per doz.	60 00
Fire-Plated,	"	60 72	" Fire-Plated,	"	72 00

PECK'S IMPROVED SELF-CLOSING FAUCETS, ETC.

Size..... inch	1/2	5/8	3/4	1
PLAIN BIBBS.				
Finished..... per doz.	\$18	\$20	\$26	\$36
Nickel Plated..... "	22	24	32	46
Silver "..... "	34	40	50	64
HOSE BIBBS.				
Finished.... per doz.	\$21	\$24	\$30	\$38
Nickel Plated.... "	25	28	36	48
Silver "..... "	37	44	54	66
PLAIN BIBBS.—Iron Pipe.				
Finished..... per doz.	\$21	\$24	\$30	\$40
Nickel Plated.... "	25	28	35	48
Silver "..... "	31	36	44	64
HOSE BIBBS.—Iron Pipe.				
Finished..... per doz.	\$24	\$27	\$32	\$42
Nickel Plated...s..... "	28	31	37	50
Silver "..... "	34	39	46	66
PLAIN BIBBS.—Flange and Thimble.				
Finished..... per doz.	\$26	\$28	\$36	\$48
Nickel Plated..... "	32	34	42	58
Silver "..... "	42	46	56	75
HOSE BIBBS.—Flange and Thimble.				
Finished..... per doz.	\$29	\$32	\$40	\$50
Nickel Plated..... "	35	38	46	60
Silver "..... "	45	50	60	77
UPRIGHT BIBBS.				
Plain..... per doz.	\$18	\$20	\$26	\$36
Nickel Plated..... "	22	25	32	42
Silver "..... "	30	36	44	62
UPRIGHT BIBBS.—Flange and Thimble.				
Finished..... per doz.	\$25	\$28	\$34	\$48
Nickel Plated..... "	31	34	40	56
Silver "..... "	40	44	54	80
WASH TRAY BIBBS.				
Plain..... per doz.	\$20	\$22 50	\$30	\$40
Flange and Thimble..... "	26	28	36	50
Flange, Nut and Bent Coupling..... "	35	40	54	74
IMPROVED STOPS.—With Coupling.				
Finished... per doz.	\$20	\$24	\$28	\$40
Rough..... "	18	21	25	36

PECK'S IMPROVED BASIN COCKS.

Number..... inch	1	2	3	4	6
Finished..... per doz.	\$33	\$36	\$46	\$56	\$90
Nickel Plated..... "	40	44	54	64	100
Silver "..... "	46	50	60	70	120

SELF-CLOSING BIBBS.---Zane's Patent.

Size.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Plain Bibbs.....per doz.	16 00	18 00	21 00	.....	72 00
“ Nickel Plated.....“	25 00	27 00	30 00	.....	.....
“ Silver.....“	31 00	36 00	39 00	.....	.....
“ Flange and T.....“	.....	28 00	31 00	.....	.....
“ “ Nickel Plated.....“	.....	37 00	40 00	.....	.....
“ “ Silver.....“	.....	46 00	49 00	.....	.....
“ for Iron Pipe.....“	18 00	20 00	.....	23 00	78 00
“ “ Nickel Plated.....“	27 00	29 00	.....	32 00	.....
“ Silver “ Silver.....“	33 00	38 00	.....	41 00	.....

ZANE'S URINAL COCKS.

Brass.....per doz.	28 00	Nickel Plated.....per doz.	37 00
For Iron Pipe.....“	30 00	Silver “.....“	46 00

ZANE'S HOPPER VALVES.

Per dozen.....	48 00
----------------	-------

ZANE'S BASIN COCKS.

Tee Handle on Top.

Per doz., Brass.....	30 00	Nickel Plated.....	35 00	Silver Plated.....	48 00
----------------------	-------	--------------------	-------	--------------------	-------

HAYDEN'S SELF-CLOSING BIBBS, &c.

Size.....	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Plain Bibbs, to Solder, Finished.....per doz.	24 00	27 00	30 00
“ “ Plated.....“	36 00	40 00	45 00
“ Screwed for Iron Pipe, Finished.....“	27 00	30 00	34 00
“ “ “ Plated.....“	39 00	43 00	50 00
Urinal Stops, to Solder, Nickel Plated.....“	.....	41 00	.....
Hopper Valves, with Finished Plate and Handle.....“	.....	48 00	.....

HAYDEN'S SELF-CLOSING BASIN COCKS.

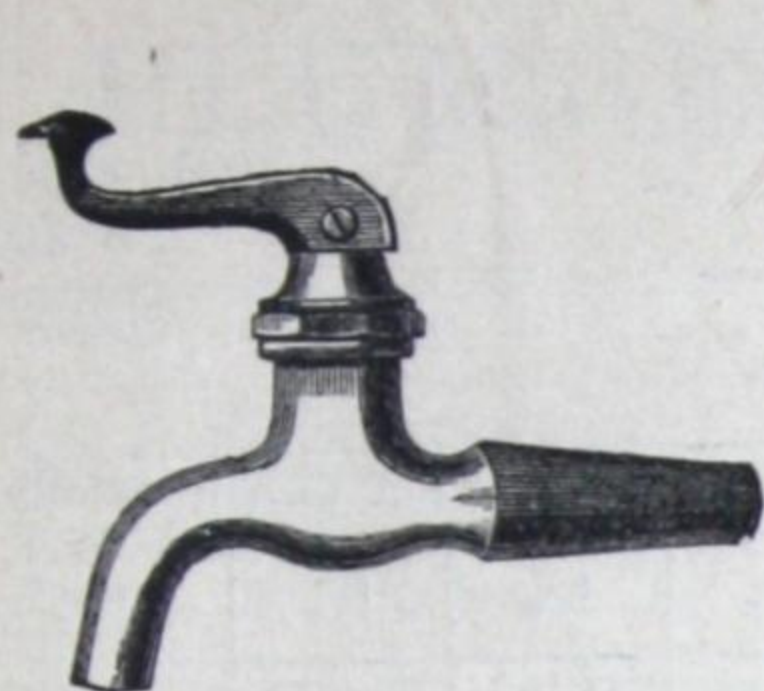
Number.....	1	2
With T Handle on top, Finished.....per doz.	33 00	44 00
“ “ Silver Plated.....“	48 00	60 00
“ “ Nickel “.....“	42 00	54 00
With Lever on side (R or L hand) and Ring Cup, Finished.....“	39 00	54 00
“ “ “ Silver Plated.....“	54 00	70 00
“ “ “ Nickel Plated.....“	48 00	64 00

SOFFE'S SELF-CLOSING BIBBS.

Size.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
For Lead Pipe.....	15 00	18 00	21 00	24 00
“ “ Plated.....	24 00	30 00	33 00	36 00
“ Iron Pipe.....	21 00	24 00	.....	30 00

SOFFE'S SELF-CLOSING BASIN COCKS.

Basin Cocks.....	Small, per doz.	24 00	Large, 30 00
“ Plated.....“	“ “	30 00	“ 42 00



Lead Pipe.



Iron Pipe.



Flange and Thimble.

SELF-CLOSING BIBBS.

Telegraph Handle.

Size.....inch		$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Plain Bibbs,	per doz.	15 00	17 00	20 00	26 00
Nickel Plated,	"	17 00	19 50	22 50	28 00
Silver	"	23 00	26 00	32 00	41 00
Flange and Thimble,	"	22 00	26 00	30 00	42 00
Nickel Plated,	"	24 00	28 35	32 00	44 00
Silver	"	30 00	35 00	42 00	57 00
For Iron Pipe,	"	16 00	18 00	21 00	28 00
Nickel Plated,	"	18 00	20 50	23 00	30 00
Silver	"	24 00	27 00	33 00	43 00

BASIN COCKS.

Plain,	per doz.	24 00
Nickel Plated,	"	27 00
Silver	"	33 00

CHAIN STAYS.

Number,	1	2	3	4	5	6	7	8
Brass,	2 25	3 25	5 00	4 00	5 00	5 00	12 00	16 00
Nickel Plated,	2 75	4 00	6 00	5 00	6 00	6 00	15 00	20 00
Silver	4 00	5 00	7 00	8 00	7 50	7 00	24 00	30 00

BASIN PLUGS.—Common Overflow.

Finished,	per doz.	8 00
Nickel Plated,	"	8 00
Silver	"	10 00

BASIN PLUGS.—Patent Overflow.

Finished,	per doz.	9 00
Nickel Plated,	"	9 50
Silver	"	11 00

BASIN CLAMPS.

Light,	per doz.	1 50	Heavy,	per doz.	2 00
--------	----------	------	--------	----------	------

BEER PUMPS.

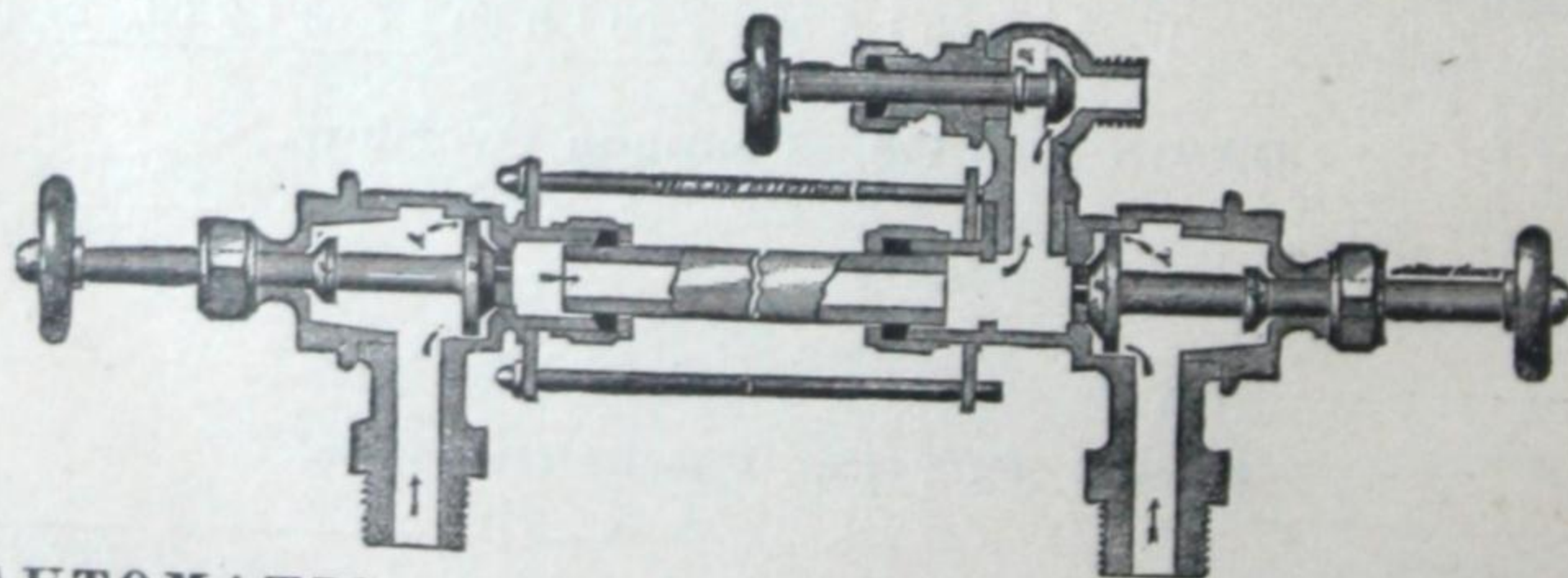
With Stand,	each 4 00
Without Stand	3 50

BEER AND ALE COCKS.

Heavy Pattern, Finished,	per dozen 44 00					
Length.....inch	12	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished, per doz.	50 00	54 00	58 00	66 00	66 00	70 00
Getty's Patent Self-Ventilating, 9 inches,	per doz. 60 00					
" " " 14½ "	" 92 00					
" " " 18 "	" 112 00					
Chicago Pattern,	Length inch	14	16	18	21	
Finished,	per doz.	54 00	58 00	62 00	68 00	
Rough Bottling Cock,	per doz. 20 00					
Finished " "	" 22 00					
Size,	inch	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$		
Rough, with Coupling to Drive,	per doz.	16 00	21 00	32 00		
" " " " Screw,	"	17 00	22 00	34 00		
Rough, with Coupling on Top,	per doz. 30 00					
" " " Heavy	" 36 00					
Empire Ale Cock,	" 60 00					
Under Counter Cock, Rough,	" 18 00					
" " " Finished,	" 20 00					
S. & D. Beer Cock,	" 37 50					
Rough " " Key on Side,	" 36 00					
Beer Bung or Vent Plug, with Hose Connection, Small,	" 9 00					
" " " " " Large,	" 11 00					
Air Cock, with Hose Coupling, Rough,	" 14 00					

BELT LACINGS.

Cut, Width ..	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$ in.
Per 100 feet ..	1 00	1 25	2 00	2 75	3 25
FULL SIDES.....per lb. 85 cts.					



AUTOMATIC, or SELF-CLOSING WATER GAUGE.

PRICES.

No. 0, Horizontal, Finished.....	\$12 00	No. 0, Horizontal, Plated	\$14 00
PERPENDICULAR.			
No. 1, Rough Body, $\frac{3}{4}$ Glass.....	\$9 00	No. 2, Rough Body, $\frac{5}{8}$ Glass	\$6 00
" 1, Finished, $\frac{3}{4}$ "	10 00	" 2, Finished, $\frac{5}{8}$ "	7 00
" 1, Plated, $\frac{3}{4}$ "	12 00	" 3, Plated, $\frac{5}{8}$ "	8 00

PLUMBERS' COPPER WORK.

BATH TUBS.

Weight of Copper.....	10	12	14	16	18	20 oz.
4½, 5, 5½ or 6 feet long.....each	13 75	15 75	17 75	19 75	21 75	23 75
Zinc, 4½, 5, 5½ or 6 feet long....."	8 00	.....	.....	.....	.....	.....
Foot Tub....."	7 00	.....	.....	.....	.....	.....
French, 4½ feet long....."	15 00	17 00	19 00	21 00	23 00	25 00
Hip Tub....."	9 00	.....	.....	.....	.....	.....

COPPER BOILERS.

Number of Gallons Capacity....	30	35	40	45	50	60	70	80	90	100
Croton Pressure, round head ...	24 00	27 00	32 00	37 00	41 00	52 00	59 00	68 00	80 00	88 00
Heavy " " "	26 00	30 00	34 00	39 00	43 00	55 00	63 00	72 00	84 00	92 00
Double.....						85 00		100 00		112 00

COPPER SINKS.

Size.....inch	12 x 18	12 x 20	14 x 16	14 x 20	14 x 24	16 x 24	16 x 30	18 x 30
Square	4 50	5 00	4 50	6 00	7 00	8 00	10 00	11 00
Oval	5 50	5 50	5 00	6 50	8 00	9 00	11 00	12 00

COPPER SHOWERS.

No. 1, Plain Showers.....	per doz.	12 00
" 2, Fancy ".....	"	15 00
" 3, " " Flange and Thimble.....	"	17 50
" 4, Tubular ".....	"	27 00
" 5, Fancy Tubular Showers.....	"	30 00
" 6, " " " Flange and Thimble.....	"	30 00
Copper Fans.....	per doz.	1 50

COPPER CLOSET PANS.

Light	per doz.	7 00	Double Weight	per doz.	12 00
Heavy.....	"	8 00	<i>With Porcelain Plate</i>	"	18 00
Copper Air Chambers, each.....			No. 1....	4 50	No. 2....5 50

COPPER BALLS.

Size	4	5	6	7	8	10	12
Price..... per doz.	4 50	6 00	7 00	10 50	80c. per lb.		

BRASS CHAIN.

Number	20	18	17	16	15	14	13	12	10
SINGLE. Brass, per paper of 12 yards.....	0 75	1 00	1 10	1 25	1 50	1 75	2 00	2 50	3 75
Silver Plated.....	1 75	2 00	2 50	2 75	3 00	3 50	4 00	5 00	7 50
Number.....							17	15	13
DOUBLE. Brass, per paper of 12 yards.....							2 00	3 00	4 00
Silver Plated							3 75	4 75	6 00
Number.....					00	0	1	2	3
SAFETY. Brass, per paper of 12 yards.....					2 25	2 50	3 25	4 75	6 50
Silver Plated					4 00	4 50	5 25	6 75	9 00

CHAIN SNAP RINGS.

Old Style, Plated.....per doz.	0 50	New Style, Plated.....per doz.	0 80
--------------------------------	------	--------------------------------	------

AMERICAN SANITARY EARTHENWARE

	12 inch.	13 inch.	14 inch.	15 inch.	16 inch.
No Overflow Basins.....	0 80	1 00	1 15	1 60	2 00
Common Overflow Basins	1 05	1 25	1 40	1 90	2 40
Patent " "	1 15	1 30	1 50	2 10	2 70
" " " Rubber Plug.....	1 40	1 55	1 70	2 30	3 00
Round Closet Bowl.....					1 45
Oval " "					1 65
Round Pipe Wash Closet Bowl					2 10
" " " and Vent Closet Bowl.....					2 60
Oval " " Closet Bowl.....					2 45
" " " and Vent Closet Bowl.....					2 90
Philadelphia Hoppers.....					3 25
" " with large Flange.....					3 75
Bedfordshire Urinals, No. 1, Flat and Corner ...					6 90
" " " 2, " "					5 25
" " " 3, " "					4 85
" " " 1, Flat, with Lip					8 50
" " " 2, " "					6 90
" " " 1, Corner, with Lip					8 50
" " " 2, " "					6 90
Bidet Pans, for Brass Plugs					3 25
" " " with Overflow					4 00
Ship Closet Basin No. 1.....					1 80
" " " 2.....					1 60
Ship Plug Basins					1 60

IMPORTED EARTHENWARE.

Outside Diameter.....	inch.	12	13	14	15	16	
Wash Basins, Common Overflow.....	each	0 75	0 85	1 00	1 35	1 70	
“ “ Patent Overflow.....	“	0 80	0 90	1 10	1 50	2 00	
“ “ Rubber Plugs.....	“	1 20	1 30	1 40	2 85	2 50	
Closet Bowls, French.....	each 1 10	Oval.....				each 1 20	
Urinals.....	No.	1	2	3	4	6	7
Large		4 60	4 60	6 00	4 50	4 50	6 00
Small.....		4 20	4 20	3 75	3 50	3 50	4 75

EARTHEN DRAIN PIPE AND FITTINGS.

PIPE, PER FOOT.	BENDS AND ELBOWS. EACH.	BRANCHES.		TRAPS. EACH.	HOUSE BRANCHES, per lineal ft.	SEWER BRANCHES, per lineal ft.
		Single.	Double and V.			
2 inch.....	0 13	0 48	.....	1 10	15 x 6..... 2 75	15 in..... 2 25
3 "	0 16	0 61	.....	1 25	18 x 6..... 2 50	18 "
4 "	0 20	0 75	1 30	1 75		3 00
5 "	0 25	0 90	1 55	2 50		
6 "	0 30	1 05	1 80	3 50		
7 "	0 35	1 20	2 05	5 00		
8 "	0 45	1 45	2 45	6 00		
9 "	0 55	1 70	2 85	7 00		
10 "	0 70	2 00	3 30	8 00		
12 "	0 80	2 52	4 24	10 00		
15 "	1 25					
18 "	1 60					

REDUCERS and INCREASERS—price of Bends measured at largest opening.
 SYPHONS—price of Bend and one foot of Pipe added.
 OFFSETS—one-half the price of Traps.
 SLANTS—price of one and one-half feet of Pipe.
 COLLARED PIPE, in lengths of 4 feet, from 2 to 12 inches, inclusive.
 PIPE WITH RINGS, in lengths of 3 feet, from 10 inches upward.

SOAP STONE LAUNDRY TUBS.

2 Parts,	4 feet long,	2 feet wide,	16 inches deep	26 00
2 "	4 " 6 in. "	2 "	16 "	29 00
2 "	5 " "	2 "	16 "	32 00
2 "	5 " 6 in. "	2 "	16 "	35 00
3 "	6 " "	2 "	16 "	40 00
3 "	6 " 6 in. "	2 "	16 "	43 50
3 "	7 " "	2 "	16 "	47 00
3 "	7 " 6 in. "	2 "	16 "	55 00
3 "	8 " "	2 "	16 "	65 00

CERAMIC LAUNDRY TUBS, at manufacturers' prices.

SOAP STONE SINKS.

2 feet long,	18 inches wide,	7 inches deep	10 00
2 " 6 in. "	19 " "	7 "	11 00
3 " "	20 " "	7 "	12 00
3 " 6 in. "	22 " "	7 "	13 00
4 " "	24 " "	7 "	16 00
4 " 6 in. "	24 " "	7 "	20 00
5 " "	24 " "	7 "	25 00

Extra High Backs, \$1 00 a Foot.

IRON LEGS FOR SOAP STONE WASH TRAYS.

Plain, each.	1 40	Galvanized, each.....	2 75
-------------------	------	-----------------------	------

IRON BRACKETS FOR SOAP STONE SINKS.

Plain, each.	1 40	Galvanized, each....	2 75
-------------------	------	----------------------	------

POWELL'S PATENT RUBBER PLUGS,

Size.....	inch	1	1 ¹ / ₄	1 ¹ / ₂	2
Bath Plugs, Brass	per doz	3 50	4 25	5 00	7 00
" " Plated.....	"	4 50	5 50	7 00	9 00
Wash Tray Plugs, Brass.....	"	4 20	5 00	7 00	12 00
" " " Plated.....	"	5 50	6 50	8 75	15 00
Basin Plugs, Common O. Brass.....	"	5 50	9 50	.....	.....
" " " Plated	"	7 00	12 00	.....	.....
" " Pat. O., Brass	"	7 00	11 00	.....	.....
" " " Plated.....	"	8 50	13 50	.....	.....
Soap Stone Wash Tray Plugs.....	"	.....	11 50	16 50	24 00
" " " " .....	"	.....	14 50	20 00	30 00
Rubber Stoppers, 1 in. by the single dozen					2 50
" " in quantities of 6 dozen. per dozen.....					2 00
Larger Sizes.....	inch	1 ¹ / ₄	1 ¹ / ₂	2	
Rubber Stoppers, with Brass Tip and Ring	per doz.	3 00	3 25	4 00	
" " " Plated " "	"	3 50	3 75	4 50	

LEAD TRAPS.—Adee's.

Size.....	inch	4	2	1½	1¼
Full S. Adee.....	each	....	0 50	0 40	0 35
Half ".....	"	1 00	0 45	0 35	0 33

ADEE'S BOTTLE TRAPS.

Size.....	inch	1¼	1½	2
Full S.....	each	0 65	0 65	1 00
Half S.....	"	0 55	0 55	0 85

CLARK'S BOTTLE TRAPS.

Size.....	inch	1¼	1½	2
Full S.....	each	0 75	0 75	1 15
Three-Quarter S.	"	0 75	0 75	1 15
Half S.....	"	0 70	0 70	1 00
Running.....	"	1 00	1 00	....

LOWE'S.

4 inch Full S. No. 1 Traps.....	each	2 20
4 " " " 2 ".....	"	1 90
2 " " Trap and Screw.....	"	1 10
1½ " " ".....	"	0 80
1¼ " " ".....	"	0 65
4 " Half S. No. 1 Traps.....	"	1 75
4 " " " 2 ".....	"	1 55
2 " " Trap and Screw.....	"	1 00
1½ " " ".....	"	0 70
1¼ " " ".....	"	0 55
2 " Three-quarter S. Traps and Screw.....	"	1 10
1½ " " ".....	"	0 80
4 " " ".....	"	2 20
4 " Long Bends.....	"	1 30
4 " Short ".....	"	0 90
2 " Bends.....	"	0 45
1½ " ".....	"	0 40

BOWER'S SEWER GAS TRAPS.

SIZE.		FULL S.				HALF S.				RUNNING.			
Inlet.	Outlet.	Lead and Glass.		All Lead.		Lead and Glass.		All Lead.		Lead and Glass.		All Lead.	
		No.	Price.	No.	Price.	No.	Price.	No.	Price.	No.	Price.	No.	Price.
1 inch.	1¼ inch.	1	1 00	2	1 20	3	0 95	4	1 15	9	1 10	10	1 30
1¼ " "	1¼ " "	5	1 05	6	1 25	7	1 00	8	1 20	19	1 40	20	1 65
1¼ " "	1½ " "	11	1 10	12	1 30	13	1 05	14	1 25				
1½ " "	1½ " "	15	1 38	16	1 63	17	1 30	18	1 55				
1½ " "	2 " "	21	1 50	32	1 75	23	1 40	24	1 65				

"THE DU BOIS" TRAPS AND BENDS.

Extra Heavy, 8 lb. Lead.					Special. 5½ lbs.	Standard Weight, 6 lb. Lead.					
Size.....inch	4½	4	3	2	4	4½	4	3	2	1½	1¼
Full S.....	4 25	3 25	2 30	1 60	1 90	3 25	2 20	1 70	1 10	0 80	0 65
¾ S.....	4 25	3 25	2 30	1 60	1 90	3 25	2 20	1 70	1 10	0 80	0 65
Half S.....	3 25	2 50	1 85	1 20	1 55	2 50	1 70	1 35	1 00	0 70	0 55
Running.....	3 40	2 60	2 00	1 25	....	2 60	1 85	1 50	1 05	0 75	0 60
Running Y.....	4 25	3 25	2 30	2 60	....	3 25	2 20	1 70	1 10	0 80	0 65
Bag.....	6 75	5 00	4 60	2 20	....	5 00	4 60	3 40	2 00	1 60	1 25
Long Bend.....	2 60	2 00	1 35	1 10	....	2 00	1 35	1 00	55	0 45	0 40
Short Bend.....	2 00	1 50	1 00	0 80	....	1 50	0 90	0 75	45	0 40	0 30

The above prices include Brass Drain Screws for all Traps excepting the 4 and 4½ in.

LAWN SPRINKLERS.

Four Arm	7 00	| Eight Arm	8 00
----------------	------	-----------------	------

BASIN AND BATH SUPPLY.

Supply, Waste and Overflow for Basin, Nickel Plated.....	each	12 00
“ “ “ Silver “	“	14 00
“ “ for Bath, Nickel “	“	20 00
“ “ “ Silver “	“	22 50
Basin Waste and Overflow, Nickel Plated	“	6 50
“ “ Silver “	“	8 00
“ “ Nickel “	“	7 50
“ “ Silver “	“	9 00

WALNUT WASHSTANDS, Etc.

PRICES FOR WOOD WORK ONLY.

Nickel Plated Towel Racks, \$2 00 each extra.

	Plain Panels.	Veneered Panels.
Corner for 22 in. or 24 in. Marble Slab	15 00	17 50
No. 1, for 27 x 20 in. or 30 x 20 in. Marble Slab.	14 00	16 00
“ 2, with two small Drawers, for 30 x 20 in. Marble Slab	16 50	19 00
“ 3, with two Drawers on side of door for 27 x 20 in. Marble Slab.....	17 50	20 00
“ 3, “ “ “ 30 x 20 “ “	19 00	22 00
“ 3, “ “ “ 33 x 20 “ “	20 00	24 00
“ 4, “ six Drawers, Door in center, 33 x 20 “ “	25 00	31 50
“ 4, “ “ “ 36 x 20 “ “	31 00	37 00
Water Closet Seat, Complete	15 00	22 00
“ Seat and Front only.....	12 50	17 50
Top and Front for 4 ft. 6 in. Bath Tub	19 00	25 00
“ “ 6 ft. “	21 50	27 50
Bidet Case	16 00	21 00
“ fitted up complete	40 00	45 00

MARBLE SLABS.—Best Italian Marble.

Special Prices.

Countersunk.....per foot	| Plain.....per foot
--------------------------	--------------------

IRON URINALS.

	Plain.	Painted.	Galvanized.	Enameled.
No. 1, Corner, 7 inches on side	0 75	0 90	1 20	1 75
“ 2, “ 9 “	1 00	1 15	1 70	2 25
“ 3, “ 12 “	1 25	1 45	2 25	2 75
“ 1, ½ Circle, 12 inches back.....	1 35	1 60	2 45	2 85
“ 2, “ 15 “	1 80	2 10	3 10	3 50

HYDRANT CESSPOOLS.

12x12x6 in...each 1 00, with Bell Trap, 1 50	16x16x6 in...each 1 30, with Bell Trap, 1 80
14x14x6 in... “ 1 15, “ “ 1 65	18x16x6 in... “ 1 63, “ “ 2 10

SEWER VALVES.

Size.....inch	2	3	4	5	6	7	8	9
Brandie's, Price.....each			9 00	11 00	13 00			
Common, “	2 25	2 50	3 50	9 00	12 00	17 00	21 00	27 00

OAKUM.

Per lb., 8c.....	By the 50 lb. bale, 7c.
------------------	-------------------------

SQUARE SINKS.

SIZE.....	Plain.	Galv'd.	Enam'd
16 ¹ / ₂ x 12 ¹ / ₂ 5 inch. deep.	1 10	2 30	4 50
18 x 12 6 "	1 25	2 60	4 75
16 x 16 6 "	1 60	3 25	5 25
22 x 14 6 "	1 60	3 30	5 75
23 x 15 6 "	1 70	3 40	6 25
25 ¹ / ₂ x 15 ¹ / ₂ 6 "	1 75	3 60	6 50
20 x 12 ¹ / ₂ 6 "	1 50	3 10	5 25
20 x 14 6 "	1 50	3 20	6 00
24 x 14 6 "	1 70	3 75	6 25
24 ¹ / ₂ x 16 6 "	1 80	4 00	6 50
24 x 18 6 "	2 10	4 30	7 00
25 ¹ / ₂ x 17 ¹ / ₂ 6 "	2 10	4 30	7 00
27 x 15 6 "	2 00	4 25	7 25
24 x 20 6 "	2 40	5 00	7 50
28 x 17 6 "	2 20	4 50	7 50
28 x 20 6 "	2 70	5 50	8 00
30 x 16 6 "	2 25	4 75	7 75
30 x 18 6 "	2 50	5 10	8 50
30 x 20 6 "	3 00	6 25	9 00
32 ¹ / ₂ x 18 6 "	3 00	6 25	9 50
32 ¹ / ₂ x 21 6 "	3 40	7 20	9 75
36 x 18 6 "	3 00	6 50	9 50
36 x 21 ¹ / ₂ 6 "	3 70	7 75	10 50
38 x 20 6 "	3 80	8 00	11 00
42 x 22 6 "	4 25	9 00	12 00
48 x 20 6 "	5 30	11 50	13 25
48 x 23 6 "	5 75	12 25	15 00
24 x 14 8 "	2 50	5 25	8 00
30 x 24 8 "	5 00	10 50	13 00
50 x 24 6 ¹ / ₂ "	7 50	16 00	18 00
50 x 26 6 ¹ / ₂ "	8 00	17 00	20 00
62 x 22 8 "	10 75	22 00	26 00
76 x 22 7 "	15 00	32 00	32 00
56 x 32 9 "	16 00	35 00	32 00
60 x 28 10 "	18 00	40 00	35 00
78 x 28 10 "	25 00	50 00	45 00
94 x 24 10 "	30 00	60 00	
120 x 22 6 "	32 00		

SHALLOW SINKS.

SIZE.....	Plain.	Galv'd.	Enam'd
24 x 15 ¹ / ₂ x 4.....	1 40	3 00	5 75
30 x 17 ¹ / ₂ x 4.....	2 10	4 25	7 50
36 x 19 x 4.....	2 60	5 50	9 25
42 x 20 ¹ / ₂ x 4.....	3 40	7 00	11 00
48 x 22 x 4.....	4 10	8 75	13 00
HALF CIRCLE SINKS.			
No. 1, Back, 24 in. Width, 14 in. Depth, 6 in.	1 50	3 25	6 00
" 2, " 27 " " 14 " " 6 "	1 80	3 90	7 00
" 3, " 28 " " 16 " " 8 "	2 50	5 00	8 00
" 4, " 31 ¹ / ₂ " " 17 " " 6 "	2 25	4 75	9 00
CORNER SINKS.			
No. 1, Side, 17 in. Front, 25 in. Depth, 4 ¹ / ₂ in.	1 25	2 75	6 00
" 2, " 20 " " 28 " " 6 "	1 75	3 50	7 00
" 3, " 22 " " 31 " " 6 ¹ / ₂ "	2 10	4 20	8 00
CORNER SLOP SINKS.			
Side, 18 ¹ / ₂ in. Front, 25 in. Depth, 12 in.	4 00	7 50	11 00
SQUARE SLOP SINKS.			
16 x 16 x 10 in. deep.....	2 70	5 25	7 50
20 x 14 x 12 ".....	3 50	6 50	8 50
20 x 10 x 12 ".....	4 00	8 25	10 00
24 x 20 x 12 ".....	5 00	8 50	11 50
23 x 15 x 15 ".....	4 25	8 00	11 00
30 x 20 x 12 ".....	8 00	15 00	16 00
36 x 21 x 12 ".....	10 00	19 00	20 00
36 x 31 x 16 ".....	14 00	27 00	28 00
48 x 20 x 12 ".....	17 00	30 00	32 00
48 x 20 x 17 ".....	20 00	36 00	38 00
<i>If Patent Overflow, add to above prices of all styles of Sinks.....</i>			
<i>If with Plug Strainers, add.....</i>			
SQUARE SLOP SINK, WITH ROUNDED CORNERS. With 4 in. Outlet in Center.			
Size, 22 x 20 x 12.....	5 00	10 00	12 00

SINK BACKS.

Sizes.....	Plain.	Galv'd.	Enam'd	Sizes.....	Plain.	Galv'd.	Enam'd
20 inches.	1 25	2 25	3 25	30 inches.	2 00	4 00	5 00
22 "	1 35	2 50	3 40	32 1/2 "	2 25	4 25	5 25
23 "	1 40	2 70	3 50	36 "	2 75	5 00	6 00
24 "	1 50	2 80	3 70	38 "	3 00	5 50	6 50
25 1/2 "	1 60	3 00	4 25	42 "	3 50	6 00	7 00
27 "	1 70	3 25	4 50	48 "	4 25	7 00	8 00
28 "	1 80	3 50	4 75	Larger sizes in Sections made to order.			

With Air Chambers, Pipes, and Couplings, Complete.

To prices of Plain Back, add for each Chamber with Pipe and Coupling,..... | 2 00 | 2 50 | 3 00

If Pipe and Coupling are not required, deduct 50 cents.

Cutting Square Sinks to fit pipes, each cents.

SINK LEGS,

..... each | 0 50 | 1 00 |

IMPROVED KITCHEN SINKS.

With Plain Backs and Brackets.

Sizes	Plain.	Galv'd.	Enam'd
30 x 22.....	8 00	15 00	20 00
36 x 22.....	9 75	18 00	24 00
42 x 22.....	11 50	21 00	28 00
48 x 22.....	13 25	24 00	32 00
30 x 22 without Back and with Legs.....	6 00	11 00	15 00
36 x 22 "	7 00	13 18	00 00
42 x 22 "	8 00	15 00	21 00
48 x 22 "	9 00	17 00	24 00
Brackets.....each	0 75	1 25	

With Backs and Air Chambers Complete, and Brackets.

30 x 22.....	12 00	20 00	26 00
36 x 22.....	13 75	23 00	30 00
42 x 22.....	15 50	26 00	34 00
48 x 22.....	17 25	29 00	38 00

Sink Strainers, Plain.....	per doz.	1 50
" Galvanized.....	"	2 60
" Enameled.....	"	3 00
Plug Sink Strainers, Plain.....	"	3 25
" Galvanized.....	"	5 00

IMPROVED KITCHEN SINKS.

With Plain Backs and Legs.

Sizes	Plain.	Galv'd.	Enam'd
30 x 22.....	9 50	18 00	21 50
36 x 22.....	11 25	21 00	25 50
42 x 22.....	13 00	24 00	29 50
48 x 22.....	14 75	27 00	33 50
30 x 22 without Back and with Legs.....	7 50	14 00	16 50
36 x 22 "	8 50	16 00	19 50
42 x 22 "	9 50	18 00	22 50
48 x 22 "	10 50	20 00	25 50
Legs.....each	1 50	2 75	

With Backs and Air Chambers Complete, and Legs.

30 x 22.....	13 50	23 00	27 50
36 x 22.....	15 25	26 00	31 50
42 x 22.....	18 00	29 00	35 50
48 x 22.....	18 75	32 00	39 50

IMPROVED CORNER SINKS.

With Plain Backs and Patent Overflows.

No.	1.	Side, 17 in. Front, 25 in.	Depth, 4 1/2 in.	5 00	8 00	13 50
"	2.	" 20 "	" 6 "	6 00	10 00	15 00
"	3.	" 22 "	" 6 1/2 "	7 00	11 50	17 00
If without Patent Overflow, deduct \$1 00.						

With Backs and Air Chambers Complete.

No.	1.	Side, 17 in. Front, 25 in.	Depth, 4 1/2 in.	9 00	13 00	19 50
"	2.	" 20 "	" 6 "	10 00	15 00	21 00
"	3.	" 22 "	" 6 1/2 "	11 00	16 50	23 00

Plug Sink Strainers, Enameled.....	per doz.	6 00
Sink Couplings, Plain.....	"	1 50
" Galvanized.....	"	2 00
" For Iron Pipe.....	"	9 00
" ".....	"	10 00

IRON RANGE BOILERS.

Capacity.	Size.	Price, Plain.	Price, Galvanized.
18 Gallons.....	3 feet by 12 inches.....	10 75	14 05
21 ".....	3½ " 12 ".....	11 55	14 85
24 ".....	4 " 12 ".....	12 50	15 75
27 ".....	4½ " 12 ".....	13 25	17 50
30 ".....	5 " 12 ".....	14 05	19 00
36 ".....	6 " 12 ".....	19 00	24 35
35 ".....	5 " 13 ".....	15 75	20 75
24 ".....	3 " 14 ".....	14 95	19 00
28 ".....	3½ " 14 ".....	14 85	19 80
32 ".....	4 " 14 ".....	15 75	20 75
36 ".....	4½ " 14 ".....	16 50	21 50
40 ".....	5 " 14 ".....	18 25	24 00
48 ".....	6 " 14 ".....	24 00	29 75
42 ".....	4 " 16 ".....	19 00	25 75
52 ".....	5 " 16 ".....	23 25	30 60
63 ".....	6 " 16 ".....	29 00	38 00
53 ".....	4 " 18 ".....	25 00	31 50
66 ".....	5 " 18 ".....	28 00	36 00
79 ".....	6 " 18 ".....	33 00	44 00
82 ".....	5 " 2 ".....	34 00	45 50
98 ".....	6 " 2 ".....	42 00	54 00
100 ".....	5 " 22 ".....	42 00	54 00
120 ".....	6 " 22 ".....	49 00	63 00
120 ".....	5 " 24 ".....	47 50	61 50
144 ".....	6 " 24 ".....	54 00	70 00
168 ".....	7 " 24 ".....	65 00	84 00
192 ".....	8 " 24 ".....	75 00	95 00

BOILER STANDS.

Diameter.....	12	13	14	15	16	18	20	22	24
On Legs.....	1 10	1 20	1 30	1 50	1 80	2 00	2 25	2 50	3 00
Lockwood.....	1 25	1 30	1 40	1 50	1 75	2 00	2 25	2 75	3 50
" Galvanized.....	2 50	2 60	2 70	3 00	3 25	3 80	4 50	5 00	6 50

CAST IRON CISTERNS.

Fitted with Ball Cock and Ball, Cistern Valve and Service Box.

No. 1, 24x14x10, Service Box, 10x6x3.....	Painted, 10 00	Galvanized, 13 00
No. 2, 24x14x10 " 10x9x3.....	" 11 00	" 14 50
No. 8, 24x14x 0 " 19x10x3.....	" 12 00	" 16 00

Copper-Lined Tanks, Complete, 24x12x12..... 12 00
Special sizes made to order.

Cistern Valves.....	each	1 00
Ball Lever.....	"	0 40
Cranks.....	"	0 20

HOPPERS.

Philadelphia, Side Arm.....	Plain, 1 25	Painted, 1 50	Enameled, 2 00
" with Lugs.....	" 1 75	" 2 00	" 2 75
Mott's Pattern.....	" 1 75	" 2 00	" 3 00
English ".....	" 1 75	" 2 00	" 3 00
Short Hopper.....	" 1 25	" 1 50	" 2 00
" with Lugs.....	" 1 75	" 2 00	" 2 75
" with Trap.....	" 3 25	" 3 60	" 5 25
Hopper Traps.....	" 1 75	" 1 85	" 3 00

• FLUSHING RIM HOPPERS.

Long Oval Flushing Rim Hopper.....	Painted, 4 00	Enameled, 5 50
" English " ".....	" 3 50	" 5 00
Short " " " and Trap.....	" 5 00	" 8 00
" " " ".....	" 5 50	" 8 50
" " " " with Enameled Hopper and Painted Trap.....	" 6 75	" 7 25

WATER CLOSETS.

Demarest, No. 1	18 00	No. 1-A	20 00	No. 1-B	24 00
" " 2	18 00	" 2-A	20 00	" 2-B	24 00
" " 3	18 00	" 3-A	20 00	" 3 C	24 00
Premier, Nos. 1, 2 and 3					38 00
Hygeia Closet only					24 00
" " with Painted Cistern					35 00
" " " Galvanized Cistern					38 00
" " " Enameled					40 50
Tidal Wave Closet, with Plain Wooden Copper-Lined Cistern, Seat, Lever and Connection					50 00
Tidal Wave Closet, with Veneered Cistern					60 00

CISTERN WATER CLOSETS.

Light Pattern	each	4 00
Bartholomew Pattern	"	5 50
" " Enameled Receiver	"	7 50

CARR'S WATER CLOSETS, URINALS AND VALVES.

American Defiance Valve Closet	20 00
Monitor Valve Closet, with Removable Section	8 40
O. I. C. Valve Closet	5 00
Monitor Cistern Closet, with Removable Section	7 50
O. I. C. Cistern Closet	4 50

	With Double Acting Valve.	With Single Acting Valve.
No. 3 Hopper Stand, Painted	6 00	5 00
" 4, Hopper Enameled	8 50	7 50
" 5, Hopper and Trap, Self-Raising Seat, Enameled	11 00	10 00
" 6, Hopper, Self-Raising Seat, Enameled	9 00	9 00
" 7, Hospital Hopper, Enameled	13 00	12 00
" 7, " " " with Ventilating Pipe	16 00	15 00
" 8, Hopper, Self-Raising Seat and Basin Joint		8 00
" 9, Double Acting Hopper Valve		3 00
" 10, Single " " "		2 00
" 11, Brooklyn Water Waste Preventer		2 50
" 2 A, Valve on Stand, with Pull		3 00
Cut-off, with Valve		10 00
Boiler Safety and Vacuum Valve		4 00
Boiler Vacuum Valve		1 75
Swinging Urinal, White Bowl, Large		20 00
" " " " Small		15 00
" " Water Closet, White Bowl		25 00

Decorated Bowl, \$5 00 extra.

BARTHOLOMEW'S HOPPER CLOSETS AND VALVES.

Enameled Hopper and Trap combined, with Self-Raising Seat and Double Valve . . . each	12 00
" " " " " " " Single "	11 00
Enameled Hopper, Self-Raising Seat, with Double Valve	8 50
" " " " " " " Single "	8 00
" " " " " " " without Valve	7 00
Double Hopper Valves	2 25
Single Hopper Valves	1 00

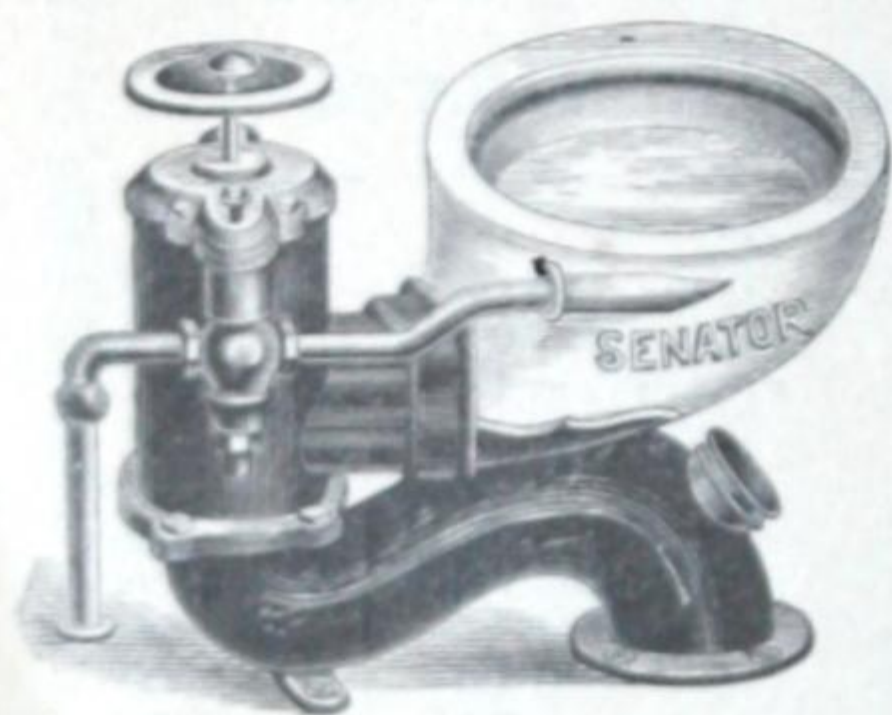
All SANITARY and SPECIAL GOODS furnished at manufacturer's prices and discounts.

WATER CLOSETS.



"THE SANITARY."

Price, with Offset Trap or Straight Outlet,	\$25 00
Extra for Enameled Reservoir,	3 00
Boxing	0 60



"THE SENATOR."

Side Outlet, Improved Flushing Rim, Water Channel Valve.

Price, with Offset Trap or Straight Outlet, Painted Valve Section and Porcelain Bowl,	\$20 00
" with Enameled Valve Section and Bowl,	24 00
Add if with Vented Bowl,	0 50
Boxing, 50c. net.	



"BARTHOLEMUEWS."

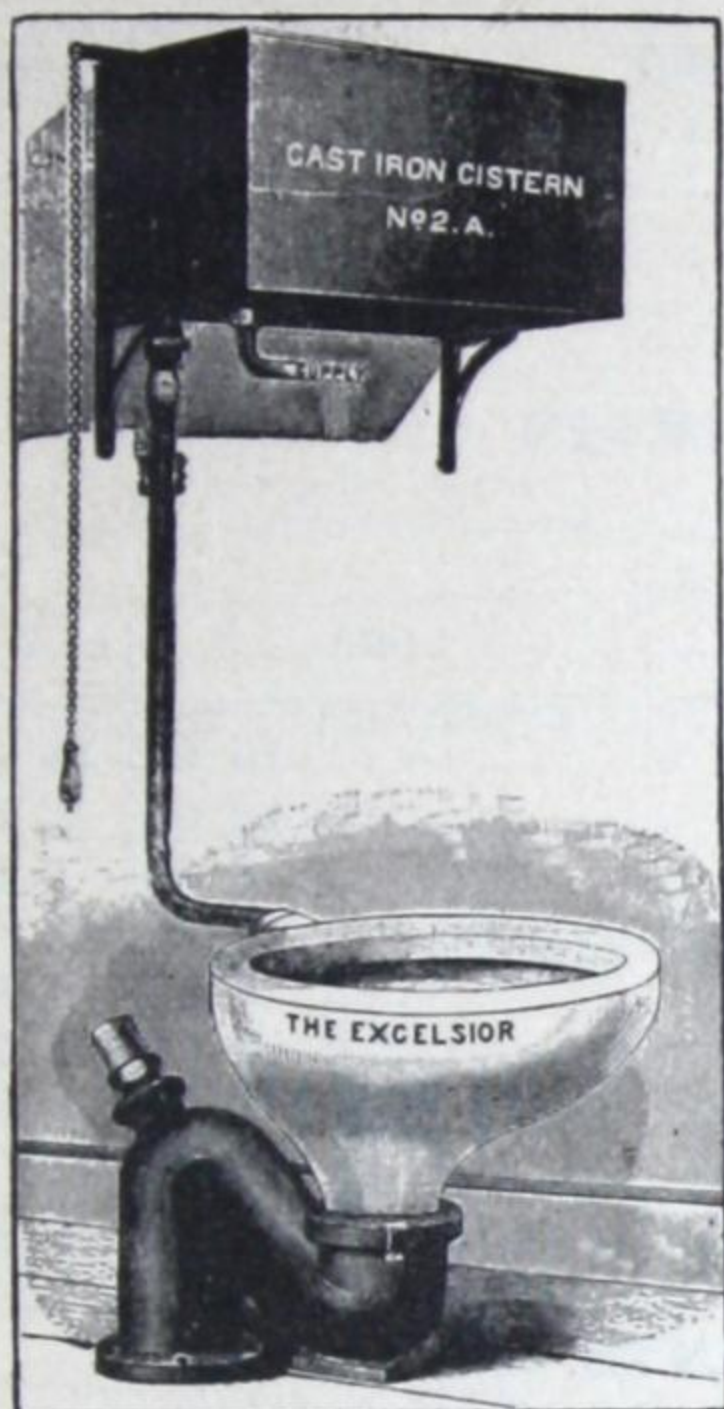
Price, with Valve,	\$8 50
" without " for Cistern,	6 00
Nickel Plated Cup and Pull, 25c. extra.	
Silver " " " 50c. "	



"THE CENTURY,"

Or, O. K.

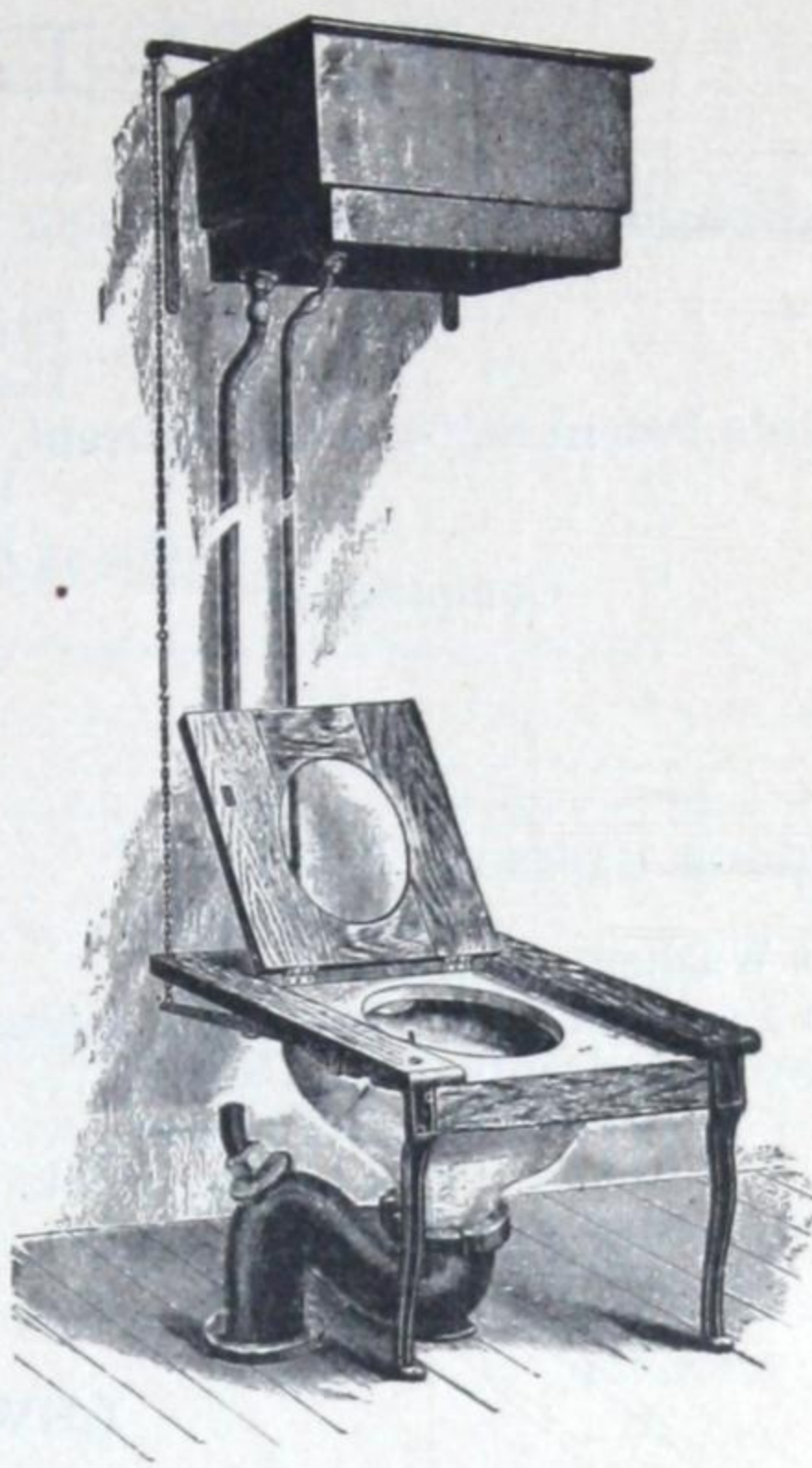
Price, with Valve,	\$5 00
" without Valve, for Cistern,	4 00
Nickel Plated Cup and Pull, 25c. extra.	
Silver " " " 50c. "	



"THE EXCELSIOR."

Oval Flushing Rim Bowl, and Iron and Enameled Trap.

Price, No. 3\$18 75
Boxing..... 0 60

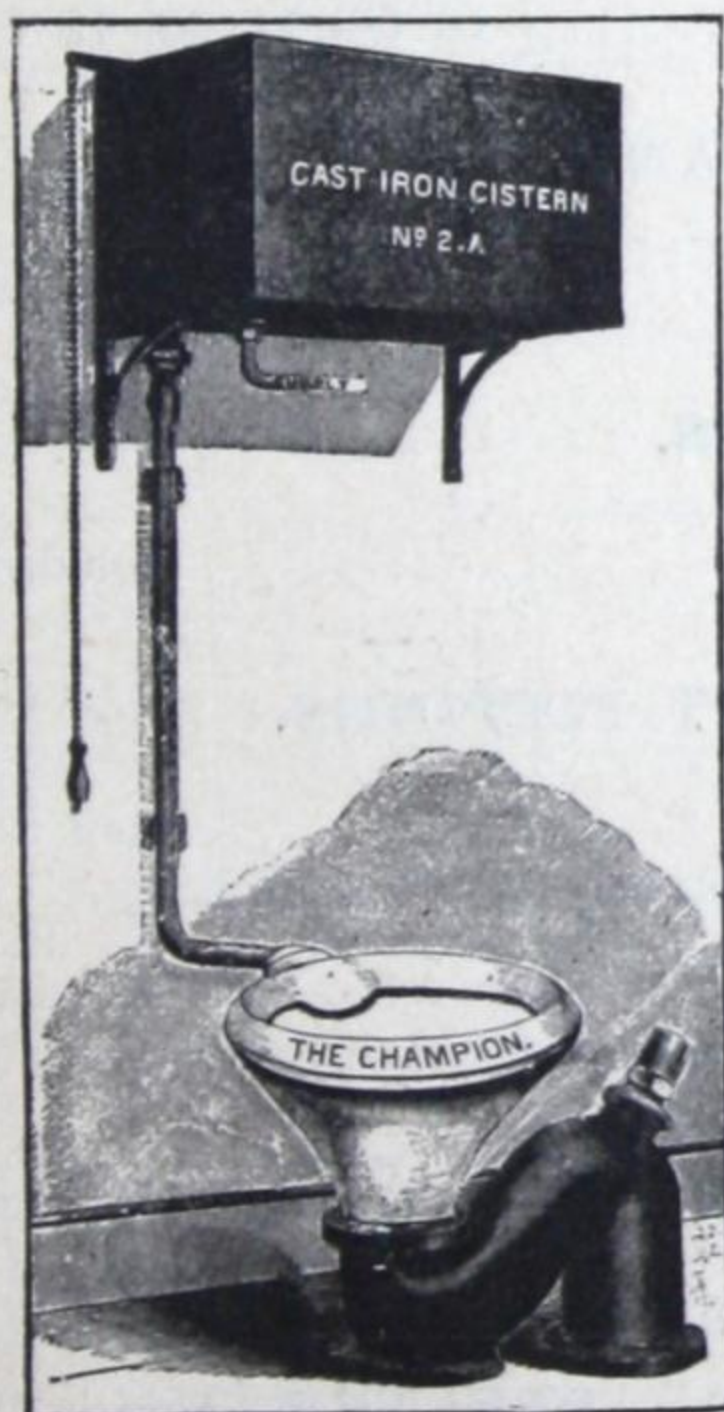


"THE NOISELESS."

Automatic Seat.

All Earthen. Oval Flushing Rim Bowl and Trap.

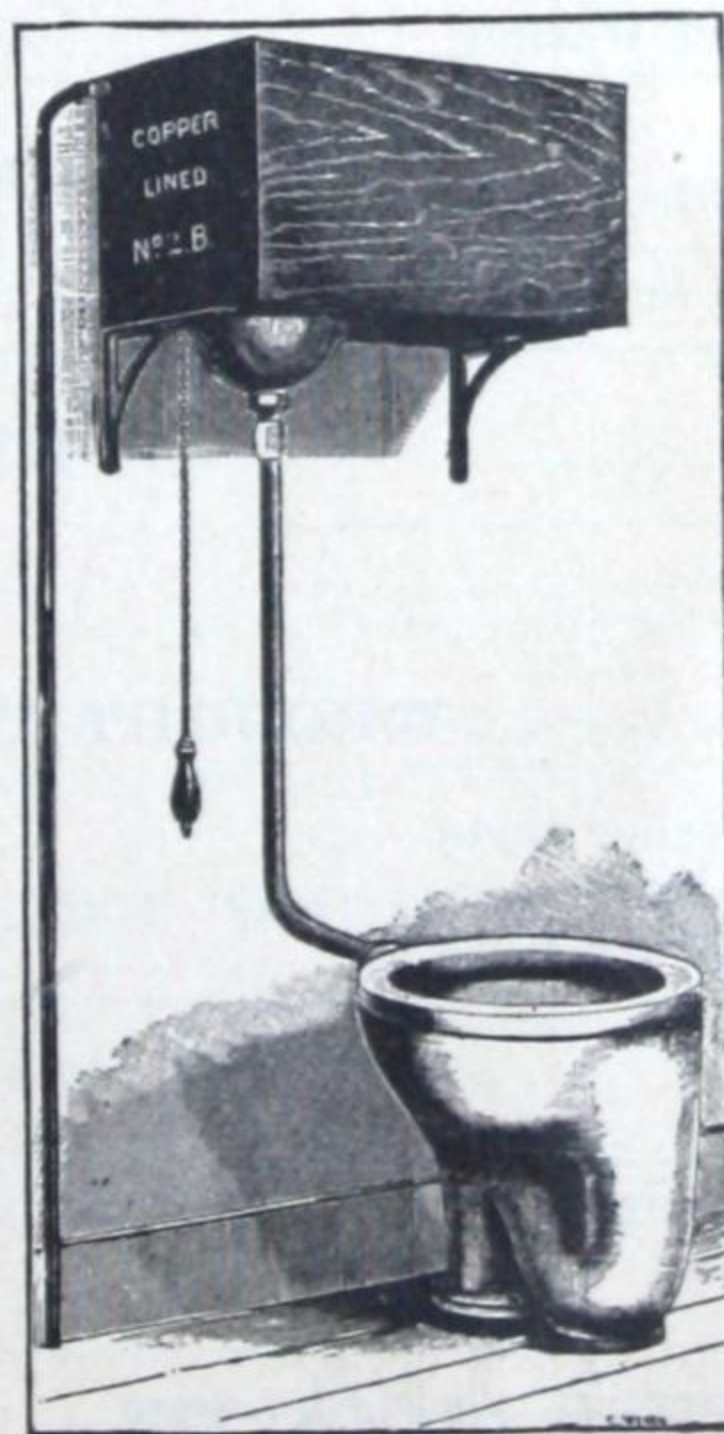
Price, No, 13\$30 50
Boxing..... 0 60



"THE CHAMPION."

Round. Flushing Rim Bowl and Iron Enameled Trap.

Price, No. 7\$16 00
Boxing..... 0 60



"THE UNIVERSAL."

All Earthen, in one piece.

Price, No. 15\$23 00
Boxing..... 0 60

HYDRANTS.

Bartholomew's Patent Self-Closing Hydrant Plain end.....	each	6 00
“ “ “ “ Hose end	“	6 50
“ “ “ Iron Hydrant	“	25 00
“ “ “ Double Hydrant	“	8 50
Hyde's Patent Self-Closing Hydrant, Plain end.....	“	6 00
“ “ “ “ Hose end	“	6 50
“ “ “ “ Double	“	7 50
“ “ Compression “ “	“	6 00

Size.....	feet	3	4	5
Murdock Hydrants, Iron Case.....		10 00	11 00	12 00
“ “ Self-Closing.....		12 00	13 00	14 00
Street Washers, Iron Case.....		8 50	9 50	10 50
Hitch Post and Street Washer, combined		18 00	20 00	22 00
Bailey's Hydrants, Iron Case.....		6 00	6 60	
“ Street Washer, Iron Case.....		5 10	5 70	
“ “ “ and Stop Cock, combined.....		7 00	8 00	
“ Hydrants, 1 inch.....		10 50	11 00	
“ Street Washer, 1 inch....		8 00	8 50	

LEWIS' HYDRANTS.

To set in the Ground.....	feet	3	4	5	6
¾ in. Hydrants		10 00	11 00	12 00	13 00
¾ in. Hydrants, Self-Closing, with Patent Adjustable Handle		11 00	12 00	13 00	14 00
¾ in. Street Washer, Large Case.....		8 50	9 50	10 50	11 50
1 in. Hydrants.....		12 50	13 50	14 50	15 50
1 in Street Washer.....		10 00	11 00	12 00	13 00

PLUMBERS' HYDRANT.

For Lead or Iron Pipe.....	each	5 00
----------------------------	------	------

HYDRANT POSTS.

Price.....	per doz.	15 00
------------	----------	-------

WROUGHT IRON HYDRANT FITTINGS.

Street Washer Rods	per doz.	4 00
Hydrant Rods	“	5 00
Street Washer Keys.....	“	1 50

SOLDER.

No. 1, Refined,.....	Half-and-Half,	
	Market Rates.	

PURE BLOCK TIN, PIG LEAD, SPELTER, Etc.,
Market Rates.

Old Brass, Copper and Lead taken in Trade.

WASHERS.—Put up in Boxes of 1,000 each.

For Basin Cocks	net, per thousand	1 50
For Basin Plugs.....	“ “ “	1 50
For Boiler Couplings.....	“ “ “	1 75
For Flange and Thimble Cocks ...	“ “ “	2 00

PLUMBER'S WASHERS.

Size	inch	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Fiber Washers for Compression Work	per hundred	0 80	1 00	1 25
Rubber “ “ “	“ “	1 25	1 38	1 50

LEAD TACKS, SCREWS, Etc.

Lead Tacks, Single	per doz.	0 75
“ “ Double	“	1 50
Iron Washers, for Basin Cocks	“	0 18
Iron Screws, for Lead Tacks, ...	per gross	0 50
Brass Screws, for W. T. Plugs	“	1 00
Nickel Screws and Washers, $1\frac{1}{2}$ inch.....	per doz.	0 75
“ “ 2 “	“	1 00
“ $1\frac{1}{2}$ inch	“	0 50
“ 2 “	“	0 75

HOOKS.

Plumber's Hooks.....	per pound	0 20
Leader Hooks, plain	“	0 20
“ tinned	“	0 20
Tinned Straps	“	0 20

PUTTY.

In cans of 50 lbs.	per pound net,	0 04
-------------------------	----------------	------

STOP COCK BOXES AND STREET WASHERS.

Connolly & Kiehl's Stop Cock Boxes, for Lead or Iron Pipe.....	2 25
“ “ Repair “	1 25
“ “ Single Street Washers, for Lead or Iron Pipe	3 75
“ “ Double “ “ “	6 75
“ Hoontons ” Stop Cock or Repair Box.....	1 00
Cast Iron “ “	2 00

THE “BOSS” STOP COCK BOX,

at manufacturer's prices.

PLUMBER'S TOOLS.

Dressers, Hickory.....	each 0 45	Dogwood	each 0 75	Boxwood.....	each 1 00
Bossing Sticks, Boxwood.....	each 1 00	Dogwood.....	each 0 75		
Side Edges, Hickory.....	each 0 20	Boxwood.....	each 0 50		
Turn Pins, Boxwood.....				1	2
Each				0 15	0 20
Chipping Knives.....				4 inch blade,	0 35
"				5 "	0 40
"				6 "	0 45
Copper Bolts, Pointed and Hatched				per lb.	0 35
Round Irons, No. 1.....	each 0 45	No. 2.....	each 0 60	No. 3.....	each 0 75
Wrought Ladles, 2 1/2 inch.....	each 0 25	5 inch.....	each		0 55
3 "	0 30	6 "	"		0 75
3 1/2 "	0 35	8 "	"		1 75
4 "	0 40	10 "	"		3 50
Shave Hooks, Oval, 1/2 Oval and Triangle					0 25
Shave Hook Blades.....					0 10
Rasps and Files, 10 inch	0 40	13 inch.....			0 70
11 "	0 50	14 "			0 80
12 "	0 60	15 "			1 00
Tap Borers					0 35
Bending Pins.....					0 25
Caulking Chisel					0 40
Buzzel Basin Wrench.....					1 25
Copper Soil Cups.....					0 30
Grease, Rosin and Flour Boxes					1 25
Steel Cold Chisels, short	0 40	18 inches.....	0 60	22 inches.....	1 25
Steel Floor Chisels, Light	1 10	Heavy			1 25
Water Closet Tongs					2 00
Wiping Cloths, Moleskin	0 15	Ticking.....			0 10
Looking Glasses.....					0 25
Pot Hooks.....					0 10
Screw Driver					0 35
Firmer Chisels, Small.....					0 30
" " Large.....					0 40
Soil Brushes					0 10
Rules, Boxwood.....					0 30
" Brass Bound.....					0 75
Compasses, 5 in.....	0 20	6 in.....	0 25	7 in.....	0 30
				8 in.....	0 35
Hammers, Small.....					0 75
" Large					0 90
Saws, Compass.....					0 50
" Panel, Single Edge					1 00
" " Double "					1 25
Steel Faced Planes.....					1 75
Cutting Pliers.....					1 00
Gas Pliers.....	inch.	5	6	7	8
Price.....		40c.	45c.	50c.	60c.
					70c.
					75c.
					80c.
					90c.
Washer Cutters					1 50
Solder Pots		1	2	3	4
Price.....		33c.	43c.	46c.	82c.
					97c.
Plumber's Blast Furnaces					7 50
Torches, Brass					1 40
" Tin.....					1 00

LEAD PIPE.

Caliber and Mark.	Weight per foot.		Caliber and Mark.	Weight per foot.	
$\frac{1}{8}$ in.	0 lbs.	2 oz.	$\frac{1}{4}$ in. C	3 lbs.	0 oz.
$\frac{1}{4}$ " E	0 "	5 "	$\frac{1}{4}$ " D	2 "	8 "
$\frac{3}{8}$ " AAA	1 "	12 "	$\frac{1}{4}$ " E	2 "	0 "
$\frac{3}{8}$ " AA	1 "	5 "	$\frac{1}{2}$ " AAA	2 "	0 "
$\frac{3}{8}$ " A	1 "	2 "	$\frac{1}{2}$ " AA	7 "	0 "
$\frac{3}{8}$ " B	1 "	0 "	$\frac{1}{2}$ " A	6 "	4 "
$\frac{3}{8}$ " C	0 "	14 "	$\frac{1}{2}$ " B	5 "	0 "
$\frac{3}{8}$ " D	0 "	10 "	$\frac{1}{2}$ " C	4 "	4 "
$\frac{7}{16}$ " D	0 "	7 "	$\frac{1}{2}$ " D	3 "	8 "
$\frac{1}{2}$ " AAA	3 "	0 "	$\frac{1}{2}$ " D	3 "	0 "
$\frac{1}{2}$ " AA	2 "	8 "	$\frac{1}{2}$ " waste. E	2 "	0 "
$\frac{1}{2}$ " A	1 "	10 "	$\frac{3}{4}$ " AA	8 "	8 "
$\frac{1}{2}$ " B	1 "	3 "	$\frac{3}{4}$ " A	6 "	7 "
$\frac{1}{2}$ " C	1 "	0 "	$\frac{3}{4}$ " B	5 "	0 "
$\frac{1}{2}$ " D	0 "	9 "	$\frac{3}{4}$ " C	4 "	0 "
$\frac{1}{2}$ " D	0 "	10 "	$\frac{3}{4}$ " D	3 "	10 "
$\frac{1}{2}$ " D	0 "	12 "	2 " AAA	10 "	11 "
$\frac{5}{8}$ " AA	2 "	12 "	2 " AA	8 "	14 "
$\frac{5}{8}$ " A	2 "	8 "	2 " A	7 "	0 "
$\frac{5}{8}$ " B	2 "	0 "	2 " B	6 "	0 "
$\frac{5}{8}$ " C	1 "	7 "	2 " C	5 "	0 "
$\frac{5}{8}$ " D	1 "	4 "	2 " D	4 "	0 "
$\frac{5}{8}$ " D	1 "	0 "	2 " waste.	3 "	0 "
$\frac{5}{8}$ " E	0 "	12 "	$2\frac{1}{2}$ " $\frac{3}{8}$ thick.	16 "	12 "
$\frac{3}{4}$ " AAA	4 "	0 "	$2\frac{1}{2}$ " $\frac{5}{16}$ "	13 "	10 "
$\frac{3}{4}$ " AA	3 "	8 "	$2\frac{1}{2}$ " $\frac{1}{4}$ "	10 "	10 "
$\frac{3}{4}$ " A	3 "	0 "	$2\frac{1}{2}$ " $\frac{3}{16}$ "	7 "	13 "
$\frac{3}{4}$ " B	2 "	2 "	$2\frac{1}{2}$ " waste.	6 "	0 "
$\frac{3}{4}$ " C	1 "	12 "	$2\frac{1}{2}$ " waste.	4 "	0 "
$\frac{3}{4}$ " D	1 "	3 "	3 " $\frac{3}{8}$ thick.	19 "	9 "
$\frac{3}{4}$ " E	1 "	0 "	3 " $\frac{5}{16}$ "	16 "	0 "
1 " AAA	6 "	0 "	3 " $\frac{1}{4}$ "	12 "	9 "
1 " AA	4 "	8 "	3 " $\frac{3}{16}$ "	9 "	4 "
1 " A	4 "	0 "	3 " waste.	5 "	0 "
1 " B	3 "	4 "	3 " waste.	3 "	8 "
1 " C	2 "	8 "	$3\frac{1}{2}$ " $\frac{3}{8}$ thick.	22 "	8 "
1 " D	2 "	4 "	$3\frac{1}{2}$ " $\frac{5}{16}$ "	18 "	7 "
1 " E	2 "	0 "	$3\frac{1}{2}$ " $\frac{1}{4}$ "	14 "	8 "
1 " E	1 "	8 "	$3\frac{1}{2}$ " $\frac{3}{16}$ "	10 "	12 "
$1\frac{1}{4}$ " AAA	6 "	12 "	4 " $\frac{3}{8}$ "	25 "	6 "
$1\frac{1}{4}$ " AA	5 "	12 "	4 " $\frac{5}{16}$ "	20 "	14 "
$1\frac{1}{4}$ " A	4 "	11 "	4 " $\frac{1}{4}$ "	16 "	7 "
$1\frac{1}{4}$ " B	3 "	11 "	4 " $\frac{3}{16}$ "	12 "	2 "
			4 " waste.	8 "	0 "
			4 " waste.	6 "	0 "
			4 " waste.	5 "	0 "

PURE BLOCK TIN PIPE.—Weight per Foot.

$\frac{3}{16}$ inch.	$2\frac{3}{4}$ oz. per foot.	$\frac{3}{4}$ inch. AAA	13 oz. per foot.
$\frac{1}{4}$ " AA	$3\frac{1}{2}$ " "	$\frac{3}{4}$ " AA	10 " "
$\frac{1}{4}$ "	8 " "	1 " AAA	17 " "
$\frac{5}{16}$ " AAA	$6\frac{1}{2}$ " "	1 " AA	14 " "
$\frac{3}{8}$ " AAA	7 " "	$1\frac{1}{4}$ " AAA	26 " "
$\frac{3}{8}$ " AA	4 " "	$1\frac{1}{4}$ " AA	18 " "
$\frac{1}{2}$ " AAA	10 " "	$1\frac{1}{2}$ " AAA	36 " "
$\frac{1}{2}$ "	8 " "	$1\frac{1}{2}$ " AA	24 " "
$\frac{1}{2}$ " AA	$6\frac{1}{2}$ " "	2 " AAA	40 " "
$\frac{5}{8}$ " AAA	11 " "	2 " AA	26 " "
$\frac{5}{8}$ " AA	9 " "		

SHEET LEAD. Weight per Square Foot.

$2\frac{1}{2}$, 3, $3\frac{1}{2}$, 4, $4\frac{1}{2}$, 5, 6, 7, 8, 9, 10 pounds and upwards.

TIN-LINED PIPE.

SIZES AND WEIGHT OF SHEET TIN.

Mark.	No. of Sheets in a Box.	Dimensions.		Weight of a Box.		
		Length.	Breadth.	Cwts.	Qrs.	Lbs.
I C	225	13 $\frac{3}{4}$	10	1	0	0
Hx	225	13 $\frac{3}{4}$	10	1	1	7
IX	225	13 $\frac{3}{4}$	10	1	1	0
IXX	225	13 $\frac{3}{4}$	10	1	1	21
IXXX	225	13 $\frac{3}{4}$	10	1	2	14
IXXXX	225	13 $\frac{3}{4}$	10	1	3	7
D C	100	16 $\frac{3}{4}$	12 $\frac{1}{2}$	6	3	21
Dx	100	16 $\frac{3}{4}$	12 $\frac{1}{2}$	1	0	14
Dxx	100	16 $\frac{3}{4}$	12 $\frac{1}{2}$	1	1	7
Dxxx	100	16 $\frac{3}{4}$	12 $\frac{1}{2}$	1	2	0
Dxxxx	100	16 $\frac{3}{4}$	12 $\frac{1}{2}$	1	2	21
S D C	200	15	11	1	2	0
S Dx	200	15	11	1	2	21
S Dxx	200	15	11	1	3	14
S Dxxx	200	15	11	2	0	7
S Dxxxx	200	15	11	2	1	0

MARKET RATES.

SHEET BRASS AND COPPER.

WEIGHT OF CAST IRON PIPES,

IN LBS. PER LINEAL FOOT. THE WEIGHT OF THE TWO FLANGES MAY BE RECKONED = WEIGHT OF ONE FOOT.

Bore. Inches.	Thickness of Metal.							
	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$
2	8.7	12.3	16.1	.....	.....	.....	.....	.....
3	12.4	17.1	22.2	.....	.....	.....	.....	.....
4	16.1	22.1	28.3	.....	.....	.....	.....	.....
5	19.8	26.9	34.4	42.3	.....	.....	.....	.....
6	23.4	31.9	40.6	49.7	.....	.....	.....	.....
7	27.1	36.8	46.7	56.8	.....	.....	.....	.....
8	30.8	41.6	52.8	64.3	.....	.....	.....	.....
9	34.4	46.0	58.9	71.7	.....	.....	.....	.....
10	.....	51.4	65.1	79	93.3	.....	.....	.....
11	.....	56.4	71	86.4	101.8	.....	.....	.....
12	.....	.....	77.3	93.7	110.4	127.4	.....	.....
14	.....	.....	89.6	108.4	127.5	147	.....	.....
15	.....	.....	.....	115.7	136.1	156.8	177.7	.....
16	.....	.....	.....	123.1	144.7	166.6	188.7	.....
18	.....	.....	.....	137.9	161.8	186.2	210.8	.....
20	.....	.....	.....	.....	178.9	205.8	232.9	260.3
22	.....	.....	.....	.....	.....	225.4	254.9	284.8
24	.....	.....	.....	.....	.....	245.0	276.9	309.3

INDEX.

A.		E.	
	PAGE.		PAGE.
American Unions.....	7	Exhaust Condenser	13
Awning Fittings.....	9	Expansion Joint.....	23
Air Valves, Automatic.....	20	Emery Cloth & Paper.....	33
" " Comp.....	21	Expansion Trap.....	44
Asbestos Valves and Cocks.....	21	Eureka Cutter	56
Air Cocks	23		
Asbestos Packing	31		
Anvils.....	52		
Armstrong Stocks and Dies.....	52		
Adjustable Tonga	57		
Augers.....	59		
Automatic Water Gauge.....	88		
B.		F.	
Boiler Tubes.....	4	Fittings.....6, 7,	8
Brass Fittings.....	7	Flanges.....	7
Brass Pipe.....	7	Floor Plates.....	6
Branch Tees.....	7	Flanged Fittings.....10,	11
Blake's Hangers	8	Felting.....	31
Brass Valves.....	15	Frink Valves.....	19
Brass Cocks	20	Files.....	60
Brass Gas Fittings.....28,	29		
Belting.....	31		
Babbitt Metal	33		
Belt Hooks.....	31		
Belt Lacings.....	33		
Belt Couplings.....	33		
Blow Pipes.....	39		
Baxter Wrench	38		
Barwick Wrench.....	54		
Brock's Tonga.....	52		
Brown's Tonga.....	57		
Barnes' Cutter	56		
Breast Drills.....	59		
Bolts.....	63		
C.		G.	
Casing, Oil Well.....	4	Galvanized Pipe	4
Ceiling Plates.....	6	Galvanized Fittings.....	6
Coil Stands.....	7	Gate Valves	18
Cocks, Brass.....	20	Gate Valves, Jenkins.....	22
" Iron.....	17	Gas Cocks.....	20
Cylinder Cocks	23	Gauge Cock.....	24
Coils.....35,	47	Gaskets.....	30
Chisels.....55,	59	Gas Fixture Fittings.....28,	29
Coe's Wrenches.....	58	Gauge Glasses.....	31
Combination Stocks and Dies	51	Glue Heaters	47
D.		H.	
Drive Well Pipe.....	4	Hooks, W. I.....	7
Damper Regulator	46	Hooks, Lender.....	13
Drive Well Points	49	Hooks, C. I.....	64
" " Caps.....	49	Hook Plates.....	7
" " Couplings.....	49	Hangers.....	8
Dies, Pipe.....	53	Hose Valves.....	22
Dies, Machinist's.....	61	Hose.....	30
Drills	58	Hose Couplings.....	81
		" Caps	82
		" Nipples	82
		" Pipes	80
		" Clamps	82
		Heater Pots and Coils	47
		Hancock Inspirator.....	43
		I.	
		Iron Fittings.....	6
		Iron Cocks	17
		Iron Valves.....	17
		Injectors.....43,	44
		J.	
		Jack Screws.....	32
		Jenkins' Valves.....	19
		Jenkins' Safety Valves.....	13
		Jenkins' Gate Valves.....	22

S.	PAGE.
Shower Stops.....	66
Street Washer Stops.....	68
Shampooing Cocks.....	70
Stops, Compression.....	74, 75
Street Washers and Guides	79
Strainers, Brass.....	70
Safety Valves.....	20
Steam Hose Couplings.....	81
Soffe's Work	86
Sprinklers	82
Soldering Unions	82
" Nipples	82
Soap Stone Trays	91
" Sinks	91
Sewer Valves.....	93
Showers, Copper	89
Sinks, Iron.....	94
" Copper.....	80
Sink Backs.....	95
" Legs	95
" Strainers	95
" Couplings	95
Solder	100
Screws	101
Stop Cock Boxes.....	101
Sheet Tin.....	104
Straps.....	101
Self-closing Bibbs Tel' h'dle.....	87

T.	PAGE.
Trap Screws	79
" Screw Ferrules.....	80
Traps, Lead.....	92
" Iron.....	64, 65
Tin	104

U.	PAGE.
Urinals, Iron.....	93
" Earthen	90
" Shields.	77

V.	PAGE.
Valve Couplings	78
Vacuum Valves.....	79
Valves, Hopper.....	97
" Closet	97

W.	PAGE.
Wash Tray Bibbs.	66
" " Comp.....	73
" Plugs.....	77
Water Back Couplings	78
Wood Work.....	92
Water Closets	97, 98, 99
Washers	101

Z.	PAGE.
Zane's Work....	86

